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# Infitek

## Incubator

Laboratory and Medical equipment  
one-stop solution provider

INFITEK CO., LTD.

# INTRODUCTION



As a manufacturer of professional scientific instruments, Infitek has 18 factories, with products and services range from life sciences, chemical analysis, optical analysis, water quality testing and environmental monitoring, etc.

Infitek has established R&D centers in Shenzhen, Beijing, Shanghai and Jinan, and has developed collaboration with established in-depth cooperation with hundreds of well-known universities and scientific research institutions at home and abroad.

# Infitek

Founded in 2010, Infitek is headquartered in Shenzhen, China. Infitek is committed to providing customers with high-quality products and services, contributing to the continuous improvement of the quality of life, the simplicity & efficiency of scientific experiments, and the sustainable development of the world.

# CERTIFICATE



Infitek continues to improve its core competitiveness, and numerous products have been US FDA-listed and obtained CE certificates. In addition, the company has achieved ISO9001, ISO13485, and ISO45001 certifications. The company will continue to be committed to providing innovative scientific instruments and solutions to global scientific research institutions, laboratories and industrial enterprises, and building a comprehensive service platform for scientific instruments and medical devices integrating R&D, production, sales and service.



Infitek will continue to increase investment in scientific researches, deepen cooperation with business partners, provide customers with better products and services, meet the needs of global customers, and realize one-stop service. With unremitting efforts and innovative spirit, Infitek is heading to accomplish the mission of ranking in top 10 global scientific service platforms, and creating unlimited possibilities for the sustainable development of the world.

# Heating Incubator

ICB-30E ICB-50E ICB-80E ICB-160E ICB-270E



## Key Features



ICB-30E



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.



ICB-50E ICB-80E ICB-160E ICB-270E



### Intelligent control

Large high definition LCD display, with intelligent microcomputer control, parameter real-time display.

Menu-type operation interface, simple and convenient, can quickly set temperature and time parameters.



### Internal circulation system

Back suction and both sides forced convection system.

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.



### Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.



### Humanized design

Built-in tempered glass door allows the objects in the cavity to be clearly seen.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Safety



With over temperature control of visible & audible alarm system.



The insulation material is made of high-quality aluminum silicate silk cotton, and the insulation layer of the chamber is thickened.



Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.



Self-diagnosis function: display fault information, which is convenient for judging the fault point.



### Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.



### Optional

Intelligent LCD programmable temperature controller (Optional USB data storage, RS485 / 232 and printer), spare shelf.

## Specifications

Model	ICB-30E		ICB-50E		ICB-80E		ICB-160E		ICB-270E			
Capacity (L)	35		50		80		160		270			
Circulation	Forced air convection				Forced air convection							
Dimension (W*D*H)	Internal (mm)		320*300*315		350*350*410		400*400*500		500*500*650		600*600*750	
	External (mm)		650*470*510		510*520*800		580*570*890		680*670*1050		770*780*1150	
Temperature	Range (°C)		RT+5 ~ 65		RT+5 ~ 65							
	Fluctuation (°C)		0.5		0.5							
	Resolution (°C)		0.1		0.1							
	Uniformity (°C)		±2°C (37°C)		±2°C (37°C)							
	Sensor		PT100		PT100							
Controller	PID				PID							
Display	Large high definition LCD				Large high definition LCD							
Timer (min)	1 ~ 9999				1 ~ 9999							
Material	Internal		Stainless steel		Stainless steel							
	External		Electro-galvanized steel with antimicrobial powder coating		Electro-galvanized steel with antimicrobial powder coating							
Shelves	2		2		2		3		3			
Test Hole (mm)	Optional Ø25, 50, 80				Optional Ø25, 50, 80							
Safety Device	Leakage protector / Over-temperature alarm				Leakage protector / Over-temperature alarm							
Electricity	Voltage / Frequency		AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz							
	Consumption (W)		200		300		400		600		750	
N.W. / G.W. (kg)	35 / 40		43 / 50		52 / 70		85 / 95		103 / 110			
Package Dimension (W*D*H)(mm)	720*540*700		670*630*990		700*700*1080		720*720*1080		960*850*1260			
Optional	Independent temperature limiting controller				Independent temperature limiting controller							
	Intelligent LCD programmable temperature controller (Optional USB data storage, RS485 / 232 port and printer).				Intelligent LCD programmable temperature controller (Optional USB data storage, RS485 / 232 port and printer), spare shelf.							

# Desktop Constant-Temperature Incubator

ICB-18 ICB-18E



## Key Features



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.



### Intelligent control

High definition digital display, with intelligent microcomputer control, parameter real-time display.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory.



### Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down.

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.



### Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

## Safety

The insulation material is made of high quality rock wool board, and the insulation layer of the chamber is thickened.

With over temperature control of visible & audible alarm system.

## Optional

Spare shelf



## Specifications

Model	ICB-18	ICB-18E
Capacity	18L	
Circulation Mode	Natural convection	
Dimension (W*D*H)	Internal	260*260*260 mm
	External	380*455*568 mm
Temperature	Range	RT+5 ~ 65 °C
	Fluctuation	±0.5 °C
	Resolution	0.1 °C
	Uniformity	±2.0 °C
	Sensor	PT100
Controller	PID Intelligent	
Display	Digital LED	
Timer	0 ~ 9999 min (with timing wait function)	
Material	Internal	Without E model: mirror stainless steel With E model: high strength galvanized sheet
	External	Cold rolled steel electrostatic spraying exterior
Shelves (Standard / Max )	2 / 6	
Exhaust Hole	Standard Ø35 mm top with function of test hole	
Safety Device	Over temperature visible & audible alarm	
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz
	Consumption	180W
N.W. / G.W.(kg)	15 / 23	
Package Dimension(W*D*H)(mm)	490*520*650	520*500*650
Optional	Spare shel	

# Heating Incubator

ICB-45E ICB-65E ICB-125E ICB-210E  
 ICB-45 ICB-65 ICB-125 ICB-210



## Key Features



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

Automatically adjust the control parameters according to the ambient temperature and load to achieve the optimal heating method and reduce energy consumption.



### Intelligent control

Intelligent PID control is adopted, and the parameters are displayed in real time.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory.



### Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down.



### Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.



The insulation material is made of premium foam, and the insulation layer of the chamber is thickened.



With over temperature control of visible & audible alarm system.

## Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

Optional

Spare shelf

Specifications



ICB-45E ICB-65E ICB-125E ICB-210E  
ICB-45 ICB-65 ICB-125 ICB-210



ICB-45E ICB-65E ICB-125E ICB-210E  
ICB-45 ICB-65 ICB-125 ICB-210

Model	ICB-45E	ICB-65E	ICB-125E	ICB-210E	ICB-45	ICB-65	ICB-125	ICB-210	
Capacity (L)	45	65	125	210	45	65	125	210	
Circulation Mode	Natural convection				Natural convection				
Dimension (W*D*H)	Internal (mm)	350*350*350	400*350*450	500*450*550	600*580*600	350*350*350	400*350*450	500*450*550	600*580*600
	External (mm)	525*480*620	575*480*720	675*580*820	775*710*870	525*480*620	575*480*720	675*580*820	775*710*870
Temperature	Range (°C)	RT+5~70				RT+5~70			
	Fluctuation (°C)	±0.5				±0.5			
	Resolution (°C)	0.1				0.1			
	Uniformity (°C)	±1.5				±1.5			
	Sensor	PT100				PT100			
Controller	PID Intelligent				PID Intelligent				
Display	Digital LED				Digital LED				
Timer (min)	0~9999min (with timing wait function)				0~9999min (with timing wait function)				
Material	Internal	High strength galvanized sheet				Mirror stainless steel			
	External	Cold rolled steel electrostatic spraying exterior				Cold rolled steel electrostatic spraying exterior			
Shelves (Standard / Max )	2 / 7	2 / 10	2 / 13	2 / 14	2 / 7	2 / 10	2 / 13	2 / 14	
Exhaust Hole (mm)	Φ35mm top with function of test hole				Φ35mm top with function of test hole				
Safety Device	Over temperaure Visible& Audible alarm				Over temperaure Visible& Audible alarm				
Electricity	Voltage/Frequency	AC 220/110V, 50/60Hz				AC 220/110V, 50/60Hz			
	Consumption (W)	350	450	600	700	350	450	600	700
N.W. / G.W.(kg)	27/40	32/53	45/60	55/70	27/40	32/45	45/60	55/70	
Package Dimension (W*D*H)(mm)	595*562*795	650*570*890	745*662*990	850*810*1050	595*562*795	650*570*890	745*662*990	845*792*1040	
Optional	Spare shelf				Spare shelf				

## Portable Incubator

### ICB-P9



#### Key Features



##### Energy-saving

High temperature silicone seal for good leak-tightness.

Good heat insulation for preventing the loss of heat too quickly.



##### Intelligent control

Intelligent PID temperature control.

Simple and convenient operation, can quickly set temperature and time parameters.



##### Internal circulation system

Internal naturally air convection.

The four-sided heating method makes the internal temperature more uniform.



##### Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down

Mirror stainless steel inner chamber, four corners arc transition easy to clean.



##### Humanized design

With high quality glass window and installed LED light on the door, which is convenient for observing internal samples, especially in dark conditions.

The anti-scalding design of the door handle makes it easy to open and close the door.

Portable design with handle on top for easy moving.

#### Application

It is used for industrial and mining enterprises, food processing, agriculture, biochemistry, biology, medicine industry of bacteria, microbe and other small culture experiments.

#### Safety

With sensor failure alarm, fixed value operation, timing operation, deviation correction, menu locking and other functions.

With over temperature control of visible & audible alarm system.

#### Optional

Vehicular (DC12V/AC110V/AC220V)

Spare shelf



#### Specifications

Model	ICB-P9	
Capacity	9.2L	
Circulation Mode	Natural convection	
Dimension (W*D*H)	Internal	230*200*200mm
	External	310*276*298mm
Temperature	Range	RT+5-65℃
	Fluctuation	±0.5℃
	Resolution	0.1℃
	Uniformity	±1.0℃
	Sensor	PT100
Controller	PID	
Display	LED	
Timer	0-9999 min (with timing waiting function)	
Material	Internal	Mirror stainless steel
	External	Cold rolled steel electrostatic spraying exterior
Shelves (Standard / Max )	2 / 4	
Safety Device	Over temperature sound and light alarm	
Electricity	Voltage / Frequency	AC220V/50/60HZ
	Consumption	80W
N.W. / G.W.(kg)	8 / 10 kg	
Package Dimension(W*D*H)(mm)	360*330*380mm	
Optional	Vehicular(DC12V/AC110V/AC220V), Spare shelf	

# Constant Temperature Incubator

ICB-45P ICB-65P ICB-125P ICB-210P



## Key Features



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.



### Intelligent control

Large high definition LCD display, with intelligent PID control, parameter real-time display.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory.



### Internal circulation system

Bottom forced convection system.

Adopts high-quality fan and large impeller fan, has higher ventilation efficiency and better temperature uniformity.



### Dedicated sheet metal processing

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.



### Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Application

It is a requisite device for strain storage, biological culture and scientific research in colleges and universities, biological, agricultural or scientific research sectors and other departments.

## Safety

Digital independent temperature limiter.

The insulation material is made of premium foam, and the insulation layer of the chamber is thickened.

With over temperature control of visible & audible alarm system.

## Optional

Spare shelf

USB port



## Specifications

Model	ICB-45P	ICB-65P	ICB-125P	ICB-210P	
Capacity (L)	45	65	125	210	
Circulation Mode	Breeze circulation				
Dimension (W*D*H)	Internal (mm)	350*350*350	400*350*450	500*450*550	600*580*600
	External (mm)	525*480*620	575*480*720	675*580*820	775*710*870
Temperature	Range (°C)	RT+5 ~ 70			
	Fluctuation (°C)	0.5			
	Resolution (°C)	0.1			
	Uniformity (°C)	0.8			
	Sensor	PT100			
Controller	PID Intelligent				
Display	Large high definition LCD				
Timer (min)	0 ~ 9999 (with timing wait function)				
Material	Internal	Mirror stainless steel			
	External	Cold rolled steel electrostatic spraying exterior			
Shelves (Standard / Max )	2 / 7	2 / 10	2 / 13	2 / 14	
Exhaust Hole (mm)	Standard Ø28 top with function of test hole				
Safety Device	Over temperature visible & audible alarm, digital independent temp. limiter				
Electricity	Voltage/Frequency	AC 220 / 110V, 50 / 60Hz			
	Consumption (W)	350	450	600	700
N.W. / G.W.(kg)	27 / 44	32 / 35	45 / 49	55 / 63	
Package Dimension(W*D*H)(mm)	580*600*780	655*572*875	680*760*1000	855*802*1025	
Optional	Spare shelf, USB port				

# Heating Incubator

ICB-F30 ICB-F45 ICB-F65 ICB-F85 ICB-F125 ICB-F230



## Features

Unique vertical dual-duct system with horizontal air circulation.

4-level 3-speed adjustable fan, equipped with LED operation indicator.

## Specifications

Model	ICB-F30	ICB-F45	ICB-F65	ICB-F85	ICB-F125	ICB-F230	
Capacity (L)	30	45	65	85	125	230	
Circulation Mode	Forced convection			Forced convection		Forced convection	
Dimension (W*D*H)	Internal (mm)	310*310*310	350*350*350	400*360*450	450*420*450	500*450*550	
	External (mm)	460*510*695	500*550*735	550*550*840	590*610*830	636*680*915	600*500*750
Temperature	Range (°C)	RT+5-120			RT+5-120		
	Fluctuation (°C)	±0.5			±0.5		
	Resolution (°C)	0.1			0.1		
	Uniformity (°C)	±1.0			±1.0		
	Sensor	PT100			PT100		
Controller	Temp. control mode	Dual-stage Intelligent PID			Dual-stage Intelligent PID		
	Temp. setting mode	Touch button setting			Touch button setting		
	Temp. display mode	Measured temperature: Upper LCD; Set temperature: Lower LCD			Measured temperature: Upper LCD; Set temperature: Lower LCD		
	Timer	0-9999min (with timing wait function)			0-9999min (with timing wait function)		
	Operation function	Fixed temperature operation, Timing function, Auto stop			Fixed temperature operation, Timing function, Auto stop		
Additional functions	Digital temperature limiter, 4-level 3-speed adjustable fan (No fan speed control for Model 230), Sensor deviation correction, Temp. overshoot self-tuning, Internal parameter locking, Power-off parameter memory			Digital temperature limiter, 4-level 3-speed adjustable fan (No fan speed control for Model 230), Sensor deviation correction, Temp. overshoot self-tuning, Internal parameter locking, Power-off parameter memory			
Structure	Inner chamber	Mirror stainless steel			Mirror stainless steel		
	Outer shell	Cold-rolled steel with electrostatic spray coating			Cold-rolled steel with electrostatic spray coating		
	Insulation layer	High-quality foam board			High-quality foam board		
	Heater	Stainless steel electric heating tube			Stainless steel electric heating tube		
	Exhaust hole	φ35mm top (with function of test hole)			φ35mm top (with function of test hole)		
Shelf Number	5	6	8	8	11	17	
Load per Shelf	15kg			15kg			
Shelf Spacing	40 mm			40 mm			
Safety Device	Independent digital temperature limiter, Over-temperature audio-visual alarm			Independent digital temperature limiter, Over-temperature audio-visual alarm			
Electricity	Voltage / Frequency	AC 220V, 50/60Hz			AC 220V, 50/60Hz		
	Current rating	1.8A	2.3A	3.2A	4.1A	5A	6.8A
	Power rating	0.4kW	0.5kW	0.7kW	0.9kW	1.1kW	1.5kW
Package Dimension (W*D*H)(mm)	540*575*855	580*615*895	635*625*995	680*685*1000	710*730*1100	857*885*1287	
N.W. / G.W. (kg)	33/37	37/43	44/49	50/56	60/66	94/120	
Accessory	Shelf frame	4			4		
	Shelves	2			2		
Optional Accessories	Shelf, U-disk storage, Printer, 3.5-inch color touch screen temperature controller			Shelf, U-disk storage, Printer, 3.5-inch color touch screen temperature controller			

## Features

Over-temperature protection system:  
The red LED indicator illuminates while the heating circuit is cut off to enhance product safety when the chamber temperature exceeds the alarm value.

Independent high-precision digital temperature limiter.



ICB-F30 ICB-F45  
ICB-F65 ICB-F85 ICB-F125

ICB-F230

# Cooling Biochemical Incubator

ICB-B80HII ICB-B150HII ICB-B200HII  
ICB-B250HII ICB-B300HII ICB-B400HII



## Application

Biochemical incubators are suitable for scientific research institutes, universities, and production facilities in fields such as environmental protection, health and epidemic prevention, drug testing, agriculture, animal husbandry, and aquaculture. They are specialized constant-temperature equipment for water quality analysis, BOD determination, the cultivation and preservation of bacteria, molds and microorganisms, as well as plant cultivation and breeding experiments.

## Remarks

- (1) External depth (D) includes 3.5 cm accessories; external height (H) includes 6.5 cm accessories.
- (2) Setting the temperature between 20°C and 37°C to eliminate crystallization of mannitol solution.
- (3) All performance parameters are tested under no-load conditions at ambient temperature 20 °C and ambient humidity 50%RH.
- (4) Not suitable for long-term refrigeration storage.

## Specifications

Model	ICB-B80HII	ICB-B150HII	ICB-B200HII	ICB-B250HII	ICB-B300HII	ICB-B400HII	
Capacity (L)	81	160	202	251	304	397	
Circulation Mode	Forced convection			Forced convection			
Dimension (W*D*H)	Internal (mm)	400*370*550	450*420*850	450*450*1000	480*490*1070	520*500*1170	580*540*1270
	External (mm)	540*580*1075	598*633*1471	590*659*1525	620*690*1595	660*702*1695	720*747*1795
Temperature	Range (°C)	0~65			0~65		
	Fluctuation (°C)	±0.5~±1			±0.5~±1		
	Uniformity (°C)	±2			±2		
	Display accuracy	0.1			0.1		
	Control accuracy	±0.1			±0.1		
Controller	PID			PID			
Display	LCD			LCD			
Shelves	2	3	3	3	3	3	
Alarm Types	Over-temperature alarm, temperature probe failure alarm			Over-temperature alarm, temperature probe failure alarm			
Electricity	Voltage / Frequency	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	
	Consumption (W)	650	710	760	810	960	1280

## Optional

Independent external temperature protection device.

φ35mm test hole.

RS485-to-USB adapter interface.

30-segment programmable controller.

## Features

Exterior: Cold-rolled steel with powder coating; Interior: SUS304 stainless steel.

Microcomputer intelligent PID controller for precise temperature control.

Support continuous or timed operation: 0-9999 minutes.

With parameter memory function, automatically resuming operation upon power restoration.

Cubigel refrigeration compressor: High efficiency, low energy consumption, and eco-friendly refrigerant.

The inner chamber features rounded corners for easy cleaning.

Pull-out removable shelves with adjustable spacing.

Equipped with casters for easy movement.

Built-in lighting device in the chamber for convenient observation.

Equipped with RS485 communication port.

Internal power socket to support small instruments (e.g., BOD testers, shakers) within the chamber.



# Cooling Biochemical Incubator

ICB-B80L    ICB-B150L    ICB-B200L  
 ICB-B250L    ICB-B300L    ICB-B400L



## Application

Biochemical incubators are suitable for scientific research institutes, universities, and production facilities in fields such as environmental protection, health and epidemic prevention, drug testing, agriculture, animal husbandry, and aquaculture. They are specialized constant-temperature equipment for water quality analysis, BOD determination, the cultivation and preservation of bacteria, molds and microorganisms, as well as plant cultivation and breeding experiments.

## Remarks

- (1) External depth (D) includes 3.5 cm accessories; external height (H) includes 6.5 cm accessories.
- (2) Setting the temperature between 20°C and 37°C to eliminate crystallization of mannitol solution.
- (3) All performance parameters are tested under no-load conditions at ambient temperature 20°C and ambient humidity 50%RH.
- (4) Not suitable for long-term refrigeration storage.

## Specifications

Model	ICB-B80L	ICB-B150L	ICB-B200L	ICB-B250L	ICB-B300L	ICB-B400L	
Capacity (L)	81	160	202	251	304	397	
Circulation Mode	Forced convection			Forced convection			
Dimension (W*D*H)	Internal (mm)	400*370*550	450*420*850	450*450*1000	480*490*1070	520*500*1170	580*540*1270
	External (mm)	540*580*1075	598*633*1471	590*659*1525	620*690*1595	660*702*1695	720*747*1795
Temperature	Range (°C)	-10~65			-10~65		
	Fluctuation (°C)	±0.5~±1			±0.5~±1		
	Uniformity (°C)	±2			±2		
	Display accuracy	0.1			0.1		
	Control accuracy	±0.1			±0.1		
Controller	PID			PID			
Display	LCD			LCD			
Shelves	2	3	3	3	3	3	
Alarm Types	Over-temperature alarm, temperature probe failure alarm			Over-temperature alarm, temperature probe failure alarm			
Electricity	Voltage / Frequency	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	1Ø, 220V/50Hz	
	Consumption (W)	760	860	940	1000	1100	1800

## Optional

Independent external temperature protection device.

φ35mm test hole.

RS485-to-USB adapter interface.

30-segment programmable controller.

## Features

Exterior: Cold-rolled steel with powder coating; Interior: SUS304 stainless steel.

The inner chamber is equipped with a fan to create micro-airflow circulation, improving temperature uniformity.

Microcomputer intelligent PID controller for precise temperature control.

Support continuous or timed operation: 0-9999 minutes.

With parameter memory function, automatically resuming operation upon power restoration.

Cubigel refrigeration compressor: High efficiency, low energy consumption, and eco-friendly refrigerant.

The inner chamber features rounded corners for easy cleaning.

Pull-out removable shelves with adjustable spacing.

Equipped with casters for easy movement.

Built-in lighting device in the chamber for convenient observation.

Equipped with RS485 communication port.



# Cooling Biochemical Incubator

- ICB-B103YB    ICB-B152YB    ICB-B253YB    ICB-B412YB
- ICB-B722YB    ICB-B1022YB    ICB-B103YL    ICB-B152YL
- ICB-B253YL    ICB-B412YL    ICB-B722YL    ICB-B1022YL



ICB-B103YB    ICB-B152YB  
 ICB-B253YB    ICB-B412YB  
 ICB-B103YL    ICB-B152YL  
 ICB-B253YL    ICB-B412YL



ICB-B722YB    ICB-B1022YB  
 ICB-B722YL    ICB-B1022YL

## Performance Advantages



The frost-free design effectively avoids temperature drift caused by the absence of a defrosting function, or significant fluctuations in temperature during traditional defrosting cycles. It maintains excellent temperature stability even during long-term experiments.



The circulating fan has three adjustable speeds (high, medium, and low) to prevent sample evaporation due to excessive airflow during experiments.



The refrigeration system adopts hot gas bypass energy regulation technology to ensure efficient and safe operation of the compressor under high-temperature conditions.



The new diffusion-type air duct circulation system improves temperature uniformity.



The programmable microcomputer fuzzy PID control technology, with 30 segments and 99 cycles, enables gradient and slope control of temperature rise and fall through the programmed settings of parameters such as multi-segment temperature, circulating wind speed, running time, and heating rate.

## Features



**Wide-screen display:** Convenient for setting programs and observing temperature, fan speed, running time, etc. It is equipped with temperature alarm function (indicator and audible prompt).

**Over-temperature protection device:** Automatically interrupts operation when the preset temperature range is exceeded, featuring audible and visual alarms to ensure the safety of samples and the experimental environment.

**USB interface:** Used to connect a printer or USB flash drive for real-time recording of temperature data during the experiment.

**Auxiliary lighting:** Allows easy observation of the chamber interior in low-light environments; waterproof, resistant to high and low temperatures, and offers a long service life.

**Inner Chamber and Shelves:** Precision-crafted from SUS304 stainless steel; the shelves are adjustable to the desired height.



**Square steel base:** Constructed from integrally welded rectangular square steel for high strength and durability, ensuring stability without vibration.

**Universal casters:** Can be freely turned and locked; made of wear-resistant polyurethane.

**Test hole:** Convenient for monitoring; equipped with a silicone soft plug to prevent air convection.

**Outer casing:** Made of high-quality cold-rolled steel plate with powder coating technology, featuring uniform thickness and a sleek, beautiful appearance.





- Capacity: 103L, 152L, 253L, 412L, 722L, 1022L
- Temperature Range: 0~65 °C, -10~65 °C
- Circulation Mode: Forced Convection (Balanced Type)
- The new diffusion-type air duct circulation system improves temperature uniformity



### Application

Cooling Biochemical Incubators are suitable for the cultivation and preservation of bacteria and other microorganisms, plant breeding and seedling experiments, as well as water quality analysis and BOD determination.



### Specifications

Model	ICB-B103YB			ICB-B152YB			ICB-B253YB			ICB-B412YB			ICB-B722YB			ICB-B1022YB					
	ICB-B103YL			ICB-B152YL			ICB-B253YL			ICB-B412YL			ICB-B722YL			ICB-B1022YL					
Capacity (L)	103			152			253			412			722			1022					
Circulation Mode	Forced Convection (Balanced Type)									Forced Convection (Balanced Type)											
Dimension (W*D*H)	Internal (mm)			480*390*550			500*460*660			640*460*860			560*530*1390			980*530*1390			980*750*1390		
	External (mm)			645*700*1255			665*780*1360			800*780*1570			1025*810*1735			1445*810*1735			1445*1030*1735		
Temperature	Range (°C)			YB Series: 0~65; YL Series: -10~65;									YB Series: 0~65; YL Series: -10~65;								
	Resolution (°C)			0.1									0.1								
	Fluctuation (°C)			High temperature ±0.3 °C, Low temperature ±0.5 °C									High temperature ±0.3 °C, Low temperature ±0.5 °C						High temperature ±0.5 °C, Low temperature ±1 °C		
	Uniformity (°C)			±0.5									±0.5			±1					
Operating Ambient Temperature (°C)			5-30									5-30									
Shelves (Standard)			2			3			3			4			4			4			
Test Hole (mm)			φ40									φ40									
Electricity	Voltage/Frequency			AC 220V, 50Hz									AC 220V, 50Hz								
	Consumption (W)			780			840			1200			1500			2100			2550		
Safety Protection	Refrigeration System			Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.									Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.								
	Others			Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection.									Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection.								

# Cooling Biochemical Incubator

ICB-B70Z ICB-B100Z ICB-B150Z  
 ICB-B250Z ICB-B350Z ICB-B450Z



ICB-B70Z ICB-B100Z



ICB-B150Z ICB-B250Z  
 ICB-B350Z ICB-B450Z

## Key Features



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

High efficiency and energy saving compressor, stable temperature control and low power consumption.



### Intelligent control

Large high definition LCD display, with intelligent microcomputer control, parameter real-time display.

Menu-type operation interface, simple and convenient, can quickly set temperature and time parameters.



### Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.

### Internal circulation system

Back suction and bottom forced convection system.

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.



### Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.



Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.



Self-diagnosis function: display fault information, which is convenient for judging the fault point.



### Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products. It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.



### Optional

Test hole, internal socket, Digital independent temperature limiter 、 Programable temperature controller (Optional USB,RS485/232 and built-in printer)、 Spare shelf

## Specifications

Model	ICB-B70Z		ICB-B100Z		ICB-B150Z		ICB-B250Z		ICB-B350Z		ICB-B450Z		
Capacity (L)	70		100		150		250		350		450		
Circulation Mode	Forced convection						Forced convection						
Dimension (W*D*H)	Internal (mm)	450*350*450		510*390*510		550*390*800		560*420*1050		560*530*1200		700*530*1210	
	External (mm)	560*555*885		620*590*990		600*630*1460		660*660*1700		670*730*1880		810*790*1890	
Temperature	Range (℃)	0 ~ 60						0 ~ 60					
	Fluctuation (℃)	±0.5						±0.5					
	Resolution (℃)	0.1						0.1					
	Uniformity (℃)	±1						±1					
	Sensor	PT100						PT100					
Controller	PID						PID						
Display	Large high definition LCD						Large high definition LCD						
Timer (min)	1 ~ 9999						1 ~ 9999						
Material	Internal	Stainless steel						Stainless steel					
	External	Cold rolled steel electrostatic spraying exterior						Cold rolled steel electrostatic spraying exterior					
Shelves	2		2		3		3		3		4		
Test Hole (Optional)(mm)	Φ25, 50, 80, 100						Φ25, 50, 80, 100						
Refrigerant	R134a (CFC free)						R134a (CFC free)						
Safety Device	Leakage protector ,Audible alarm						Leakage protector ,Audible alarm						
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz						AC 220 / 110V, 50 / 60Hz					
	Consumption (W)	660		680		900		1000		1100		1600	
N.W./G.W. (kg)	55 / 70		56 / 87		73 / 115		98 / 140		125 / 170		158 / 200		
Package Dimension(W*D*H)(mm)	750*740*1180		750*740*1170		710*710*1620		800*760*1930		800*850*1900		900*1150*2080		
Optional	Test hole, internal socket, Digital independent temperature limiter 、 Programable temperature controller (Optional USB,RS485/232 and built-in printer)、 Spare shelf						Test hole, internal socket, Digital independent temperature limiter 、 Programable temperature controller (Optional USB,RS485/232 and built-in printer)、 Spare shelf						

# BOD Refrigerated Incubator

ICB-B70E ICB-B150E ICB-B250E  
 ICB-B70 ICB-B150 ICB-B250



## Key Features



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.  
 High efficiency and energy saving compressor, stable temperature control and low power consumption.



### Internal circulation system

Back suction forced convection system.  
 Adopts high-quality fan and large impeller fan, has higher ventilation efficiency and better temperature uniformity.  
 Air cooled hermetic compressor with cooling system, effectively extend the life of the compressor.



### Intelligent control

E model: Large high definition LCD display, with intelligent microcomputer control, parameter real-time display.  
 Without E model: Large high definition LCD display, 10 segment program temperature with intelligent microcomputer control, parameter real-time display.



### Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down.  
 The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.



### Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.  
 The anti-scalding design of the door handle makes it easy to open and close the door.



With over temperature control of visible & audible alarm system.



E model: Deviation correction, menu key lock, power failure parameter memory.



Models without E also have: Loop self diagnosis, sensor fault alarm.

## Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products.  
 It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucidine and microorganism, plant cultivation and breeding experiment.

## Optional

Spare shelf , build-in printer,  
USB data storage



ICB-B70E ICB-B150E ICB-B250E  
ICB-B70 ICB-B150 ICB-B250



ICB-B70E ICB-B150E ICB-B250E  
ICB-B70 ICB-B150 ICB-B250

## Specifications

Model	ICB-B70E		ICB-B70	ICB-B150E		ICB-B150	ICB-B250E		ICB-B250		
Capacity (L)	70		70	150		150	250		250		
Circulation Mode	Forced convection					Forced convection					
Dimension (W*D*H)	Internal (mm)	415*350*500		415*350*500		490*400*750		500*515*950		500*515*950	
	External (mm)	571*591*1051		571*591*1051		646*641*1301		656*741*1501		656*741*1501	
Temperature	Range (℃)	0 ~ 65					0 ~ 65				
	Fluctuation (℃)	High Temp. : ±0.5 Low Temp. : ±1					High Temp. : ±0.5 Low Temp. : ±1				
	Resolution (℃)	0.1					0.1				
	Uniformity (℃)	±1.5					±1.5				
Sensor	PT100					PT100					
Controller	Microcomputer control					Microcomputer control					
Display	Large high definition LCD					Large high definition LCD					
Timer (h)	E model: 0 ~ 99.9					E model: 0 ~ 99.9					
	Without E model: 0 ~ 99.9 *10 segment (with timing wait function)					Without E model: 0 ~ 99.9 *10 segment (with timing wait function)					
Material	Internal	Mirror stainless steel					Mirror stainless steel				
	External	Cold rolled steel electrostatic spraying exterior					Cold rolled steel electrostatic spraying exterior				
Shelves (Standard / Max)	2 / 5		2 / 5	2 / 9		2 / 9		2 / 12		2 / 12	
Test Hole (mm)	Φ43					Φ43					
Internal Socket	Outer universal socket (one), inner waterproof socket (one)					Outer universal socket (one), inner waterproof socket (one)					
Refrigerant	R134a (CFC free)					R134a (CFC free)					
Safety Device	Over temperature visible & audible alarm					Over temperature visible & audible alarm					
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz					AC 220 / 110V, 50 / 60Hz				
	Consumption (W)	800		800	1000		1000		1200		1200
N.W. / G.W. (kg)	69 / 92		69 / 92	86 / 114		86 / 140		100 / 139		100 / 139	
Package Dimension(W*D*H)(mm)	708*716*1368		710*710*1250		788*866*1468		790*870*1470		761*830*1690		761*830*1690
Optional	Spare shelf , build-in printer,USB data storage					Spare shelf , build-in printer,USB data storage					

# BOD Incubator

ICB-B70P ICB-B150P ICB-B250P



## Key Features



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

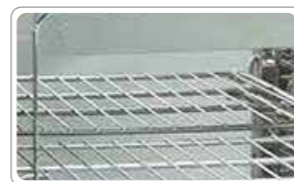
High efficiency and energy saving compressor, stable temperature control and low power consumption.



### Internal circulation system

Bottom forced convection system.

Adopts high-quality fan and large impeller fan, has higher ventilation efficiency and better temperature uniformity.



### Dedicated sheet metal processing

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.

### Intelligent control

5.0 inches touch screen display, with intelligent microcomputer control, parameter real-time display.

Sensor deviation correction, temperature overshoot auto-tuning, power-off parameter memory, loop self diagnosis.



### Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design outer door, with good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products. It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.

## Safety

With over temperature control of visible & audible alarm system.

Temperature curve view, reservation start.

Standard UV sterilization device, digital independent temperature limiter.

## Optional

Shelf, RS485 interface, printer, USB data storage



## Specifications

Model	ICB-B70P	ICB-B150P	ICB-B250P	
Capacity (L)	70	150	250	
Circulation Mode	Forced convection			
Dimension (W*D*H)	Internal (mm)	420*350*500	500*500*600	600*500*840
	External (mm)	580*610*1190	660*760*1290	760*760*1530
Temperature	Range (°C)	0 ~ 65		
	Fluctuation (°C)	High Temp. : ±0.5 Low Temp. : ±1		
	Resolution (°C)	0.1		
	Uniformity (°C)	±1		
Sensor	PT100			
Controller	Microcomputer control			
Display	5.0 inches touch screen			
Timer (h)	0 ~ 99.9*30 segment			
Material	Internal	Mirror stainless steel		
	External	Cold rolled steel electrostatic spraying exterior		
Shelves (Standard / Max)	2 / 9	2 / 12	2 / 18	
Test Hole (mm)	Φ43			
Refrigerant	R134a (CFC free)			
Internal Socket	Outer universal socket (one), inner waterproof socket (one)			
Safety Device	Over temperature visible & audible alarm, digital independent temp. limiter			
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	800	1000	1200
N.W. / G.W. (kg)	69 / 92	86 / 114	100 / 139	
Package Dimension(W*D*H)(mm)	708*716*1368	788*866*1468	890*880*1700	
Optional	Shelf, RS485 interface, printer			

# Mould Incubator

ICB-M150Z ICB-M250Z ICB-M350Z ICB-M450Z



## Key Features



### Energy-saving

The sealing ring of incubator adopts a new type of synthetic silicone sealing strip, which effectively prevents heat loss.



### Intelligent control

High definition LCD display, real-time display of parameters, self-locking function of screen, simple and convenient operation.

Menu-type operation interface, simple and convenient operation, can quickly set temperature and time parameters.



### Internal circulation system

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.

The circulation system adopts the back suction and the bottom vertical air supply mode.

The shelf is laser hollowed out with round holes for better ventilation and better temperature uniformity.



### Dedicated sheet metal processing

The shelf can be disassembled and can be freely adjusted up and down, with a minimum spacing of 30mm.



### Humanized design

Built in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

The top of incubator is equipped with an LED light and a UV disinfection lamp.



Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

With over temperature control of visible & audible alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point.



## Application

It is widely used in mold screening, microbial tissue cell culture, fungal spore culture, food and drug, preservation experiments, seed germination and other test needs.

## Optional

- 1.Independent temperature limiting controller
- 2.Intelligent LCD procedure temperature controller(Optional USB,RS485/232 and printer)

## Specifications

Model	ICB-M150Z	ICB-M250Z	ICB-M350Z	ICB-M450Z
Capacity (L)	150	250	350	450
Circulation Mode	Forced convection			
Dimension (W*D*H)	Internal (mm)	550*390*800	560*420*1050	560*530*1200
	External (mm)	600*630*1460	660*660*1700	670*730*1880
Temperature	Range (°C)	0~60		
	Fluctuation (°C)	±0.5		
	Resolution (°C)	0.1		
	Uniformity (°C)	±1		
Sensor	PT100			
Controller	PID			
Display	LCD			
Timer (min)	1-9999			
Material	Internal	Stainless steel		
	External	Electro-galvanized steel with antimicrobial powder coating		
Shelves	3	3	3	4
Test Hole (mm)	Optional φ25,50,80,100			
Safety Device	Leakage protector/Over- temperature alarm			
Electricity	Voltage/Frequency	220/50		
	Consumption (W)	900	1000	1100
N.W. / G.W. (kg)	120	140	170	200
Package Dimension(W*D*H)(mm)	730*730*1640	800*760*1930	870*750*1930	900*1150*2080
Optional	1.Independent temperature limiting controller 2.Intelligent LCD procedure temperature controller(Optional USB, RS485/232 and printer)			

# Constant Temp. & Humidity Chamber

ICB-H70 ICB-H150 ICB-H250



## Key Features



### Energy-saving

Adopts new synthetic silicone sealing, better sealing effect, preventing heat loss effectively.

High efficiency and energy saving compressor, stable temperature control and low power consumption.



### Intelligent control

Large high definition LCD display, with intelligent PID control, parameter real-time display.

Sensor deviation correction, temperature auto-tuning, power-off parameter memory, loop self diagnosis.



### Internal circulation system

Back suction forced convection system.

Unique internal air circulation structure design, fan breeze circulation, uniform temperature distribution in the work room.



### Dedicated sheet metal processing

The inner chamber is made of high-quality mirror stainless steel, with strong corrosion resistance.



### Humanized design

Double door design, the inner door is made of tempered glass for easy observation, magnetic sealing design for outer door, good sealing.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Application

The product is applicable to scientific research institutes, colleges and production departments engaged in environmental protection, epidemic prevention, drug test, livestock and aquatic products. It's a dedicated thermostatic equipment for water analysis and measure, culture and conservation of bacteria, mucedine and microorganism, plant cultivation and breeding experiment.

## Safety

With over temperature control of visible & audible alarm system.

Inner humidifying system with small particles, good humidity uniformity, low water consumption and function of alarm when is short of water.

## Optional

Spare shelf , build-in printer, USB data storage



## Specifications

Model	ICB-H70	ICB-H150	ICB-H250	
Capacity (L)	70	150	250	
Circulation Mode	Forced convection			
Dimension (W*D*H)	Internal (mm)	415*350*500	490*400*750	500*515*950
	External (mm)	571*661*1051	646*711*1301	656*811*1501
Temperature	Range (°C)	No humidification: 5~ 65      With humidification: 10 ~ 60		
	Fluctuation (°C)	High Temp.: ±0.5	Low Temp.: ±1	
	Resolution (°C)	0.1		
	Uniformity (°C)	±1		
Humidity	Sensor	PT100		
	Range	45% ~ 95%RH		
	Stability	±5%RH		
	Method	Internal		
Sensor	High precision anti-condensation			
Controller	PID			
Display	Large high definition LCD			
Timer (h)	0 ~ 99.99*30 segments (with timing wait function)			
Material	Internal	Mirror stainless steel		
	External	Cold rolled steel electrostatic spraying exterior		
Shelves(Standard / Max )	2/5	2/9	2/12	
Test Hole (mm)	Φ43			
External Socket	Universal socket (one)			
Refrigerant	R134a (CFC free)			
Defrosting Mode	Automatic			
Safety Device	Visible & audible over temperature, over humidity, water shortage alarm			
Electricity	Voltage/Frequency	AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	1800	2000	2200
N.W. (kg) / G.W. (kg)	69 / 92	86 / 114	100 / 139	
Package Dimension (W*D*H)(mm)	676*750*1235	751*800*1490	761*900*1690	
Optional	Spare shelf , RS485 port, build-in printer, USB data storage			

# Constant Temp. & Humidity Chamber

ICB-H103YH ICB-H152YH ICB-H253YH  
 ICB-H412YH ICB-H722YH ICB-H1022YH



ICB-H103YH ICB-H152YH  
 ICB-H253YH ICB-H412YH



ICB-H722YH ICB-H1022YH

## Performance Advantages



The new diffusion-type air duct circulation system improves the uniformity of temperature and humidity.



The circulating fan features three adjustable speed levels (high, medium, and low), providing a broader temperature and humidity testing range, as well as higher accuracy and stability, meeting users' requirements for heating and cooling rates.



The water system is designed with automatic water replenishment and recycling, making it more water-saving and worry-free.



The refrigeration system adopts hot gas bypass energy regulation technology to ensure efficient and safe operation of the compressor under high-temperature conditions.



The programmable microcomputer fuzzy PID control technology, with 30 segments and 99 cycles, enables gradient and slope control of temperature rise and fall through the programmed settings of parameters such as temperature and humidity, circulating fan speed, running time, and heating rates.



The frost-free design effectively avoids temperature and humidity drift caused by the absence of a defrosting function, or significant fluctuations in temperature and humidity during traditional defrosting cycles. It maintains excellent temperature and humidity stability even during long-term experiments.

## Features



**Wide-screen display:** Convenient for setting programs and observing temperature, humidity, fan speed, running time, etc. It is equipped with temperature, humidity and water level alarm functions (visual indicators and audible prompts).

**Over-temperature protection system:** Automatically interrupts operation when the preset temperature range is exceeded, featuring audible and visual alarms to ensure the safety of samples and the experimental environment.

**USB interface:** Used to connect a printer or USB flash drive for real-time recording of temperature and humidity data during the experiment.

**Auxiliary lighting:** Allows easy observation of the chamber interior in low-light environments; waterproof, resistant to high and low temperatures, and offers a long service life.

**Independent ventilation fan:** Efficiently exhausts heat generated by the refrigeration compressor and electrical control components.

**Tempered glass inner door:** Allows clear observation of the chamber without causing significant fluctuations in temperature and humidity; excellent explosion-proof properties ensure operator safety.

**Inner Chamber and Shelves:** Precision-crafted from SUS304 stainless steel; the shelves are adjustable to the desired height.



**Thickened insulation layer:** Triple-layered high-density polyurethane insulating material, with thermal insulation performance meeting international standards for similar products.

**Square steel base:** Constructed from integrally welded rectangular square steel for high strength and durability, ensuring stability without vibration.

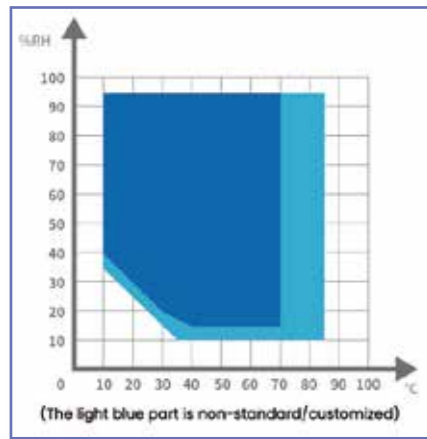
**Universal casters:** Can be freely turned and locked; made of wear-resistant polyurethane.

**φ40 test hole:** Convenient for monitoring; equipped with a silicone soft plug to prevent air convection.

**German-style outer door handle:** 90° rotating design with 4-point forced locking mechanism, ensures superior sealing, prevents air leakage, and enhances thermal insulation performance.

**Outer casing:** Made of high-quality cold-rolled steel plate processed with powder coating technology, featuring uniform thickness and a sleek, beautiful appearance.





- Capacity: 103L, 152L, 253L, 412L, 722L, 1022L
- Temperature Range: -5~70 °C
- Humidity Range: 15%~95%RH
- New diffusion-type air duct circulation system improves the uniformity of temperature and humidity



### Application

The constant temperature and humidity chamber is designed for long-term storage testing of pharmaceuticals, as well as quality assessment for the food, tobacco, and cosmetics industries. It is also widely used for aging and water absorption analysis of paints and resins, and environmental reliability testing for electronics, automotive components, and metallic materials.

### Specifications



Model	ICB-H103YH	ICB-H152YH	ICB-H253YH	ICB-H412YH	ICB-H722YH	ICB-H1022YH	
Capacity (L)	103	152	253	412	722	1022	
Circulation Mode	Forced Convection (Balanced Type)			Forced Convection (Balanced Type)			
Dimension (W*D*H)	Internal (mm)	480*390*550	500*460*660	640*460*860	980*530*1390	980*750*1390	
	External (mm)	645*700*1255	665*780*1360	800*780*1570	1025*810*1735	1445*810*1735	1445*1030*1735
Temperature	Range (°C)	-5~70			-5~70		
	Resolution (°C)	0.1			0.1		
	Fluctuation (°C)	±0.2			±0.2		±0.5
	Uniformity (°C)	±0.5			±0.5		±1
Humidity	Range	15%~95%RH			15%~95%RH		
	Fluctuation	±1%RH			±1%RH		±1.5%RH
Operating Ambient Temperature(°C)	5-30			5-30			
Shelves (Standard)	2	3	3	3	4	4	
Test Hole (mm)	φ40						
Electricity	Voltage/Frequency	AC 220V, 50Hz			AC 220V, 50Hz		
	Consumption (W)	1300	1400	2000	2000	3500	3800
Safety Protection	Refrigeration System	Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.			Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.		
	Others	Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.			Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.		

# Constant Temp. & Humidity Chamber

ICB-H180Y ICB-H290Y ICB-H400Y ICB-H520Y



## Features



Microcomputer intelligent PID temperature controller for precise temperature control; Equipped with parameter memory function, automatically resuming operation after power restoration.

Automatically disconnects the power supply to the humidification heater when there is no water detected.



The inner chamber is equipped with a fan to create micro-airflow circulation, improving the temperature uniformity inside the chamber.

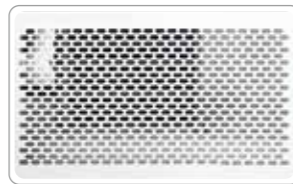


Outer casing material: Cold-rolled steel plate with powder coating; Inner chamber material: SUS304 stainless steel plate.



The inner chamber adopts a rounded arc structure design for easy cleaning.

Removable shelves with adjustable spacing.



Uses SECOP refrigeration compressor, high efficiency and low consumption; uses CFC-free environmentally friendly refrigerant.



Equipped with a built-in water tank and automatic water replenishment interface.

Equipped with casters for easy mobility.

## Application

This product has a precise temperature and humidity control system, providing various environmental simulation conditions required for industrial research and biotechnology testing. It can be widely used for sterile testing, stability inspection, and testing of raw material performance, product packaging, product life, etc. in pharmaceuticals, textiles, food processing, and other industrial products.



- Capacity: 173L, 288L, 400L, 516L
- Temperature Range: 0~65 °C
- Humidity Range: 40%RH ~ 95%RH (chamber temperature >10°C)
- PID temperature controller, 24-segment program

### Standard

- φ35mm test hole
- Standard USB data storage

### Optional

- Independent external temperature protection device
- Micro thermal printer or dot matrix printer

## Specifications

Model	ICB-H180Y	ICB-H290Y	ICB-H400Y	ICB-H520Y
Capacity (L)	173	288	400	516
Circulation Mode	Forced convection			
Dimension (W*D*H)	Internal (mm)	550*450*700	600*600*800	800*550*910
	External (mm)	700*840*1590	800*990*1690	1000*910*1800
Temperature	Range (°C)	0~65		
	Uniformity (°C)	±1		
	Fluctuation (°C)	±0.5		
	Display Accuracy	0.1		
Humidity	Control Accuracy	±0.1		
	Range	40%RH ~ 95%RH (chamber temperature >10°C)		
	Fluctuation	±3%RH		
Humidity	Display Accuracy	1%RH		
	Control Accuracy	±1%RH		
Humidification Method	Built-in electric heating humidification water tank			
Controller	PID temperature controller, 24-segment program			
Display	LCD			
Shelves	3	3	3	3
Alarm Types	Over-temperature alarm, under-temperature alarm, temperature probe failure alarm, humidity probe failure alarm			
Electricity	Voltage/Frequency	1Ø, 220V/50Hz		
	Consumption (W)	2000	2000	3000
N.W. / G.W. (kg)	165/209	203/256	218/278	237/297

# Climate Chamber

ICB-CC180Y ICB-CC290Y ICB-CC400Y ICB-CC520Y



## Features



Microcomputer intelligent PID temperature controller for precise temperature control; Equipped with parameter memory function, automatically resuming operation after power restoration.

Automatically disconnects the power supply to the humidification heater when there is no water detected.



The inner chamber is equipped with a fan to create micro-airflow circulation, improving the temperature uniformity inside the chamber.

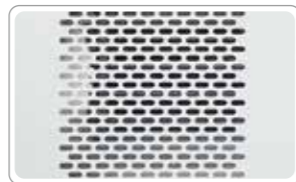


Outer casing material: Cold-rolled steel plate with powder coating; Inner chamber material: SUS304 stainless steel plate.



The inner chamber adopts an arc structure design for easy cleaning.

Pull-out removable shelves with adjustable spacing.



Uses SECOP refrigeration compressor, high efficiency and low consumption; uses environmentally friendly refrigerant.



Equipped with a built-in water tank and automatic water replenishment interface.

Equipped with casters for easy movement.

## Application

This product is suitable for seed germination, seedling cultivation, and microbial culture, as well as the rearing of insects and small animals. It is also designed for BOD determination in water quality monitoring, and aging and lifespan testing of medicinal materials, wood, and building materials, as well as other dedicated testing applications requiring controlled light, constant temperature, and constant humidity.



- Capacity: 173L, 288L, 400L, 516L
- Temperature Range: With lighting: 10~65 °C; Without lighting: 0~65 °C
- Humidity Range: 40%RH ~ 95%RH (chamber temperature > 10°C)
- 6000LX single-sided illumination, LED light source
- PID temperature controller, 24-segment program

Standard	Optional
φ35mm test hole	Independent external temperature protection device
USB data storage	Micro thermal printer or dot matrix printer

## Specifications

Model	ICB-CC180Y	ICB-CC290Y	ICB-CC400Y	ICB-CC520Y
Capacity (L)	173	288	400	516
Circulation Mode	Forced convection			
Dimension (W*D*H)	Internal (mm)	550*450*700	600*600*800	800*550*910
	External (mm)	700*840*1590	800*990*1690	1000*910*1800
Temperature	Range (°C)	With lighting: 10~65; Without lighting: 0~65		
	Uniformity (°C)	±1		
	Fluctuation (°C)	±0.5		
	Display Accuracy	0.1		
Humidity	Control Accuracy	±0.1		
	Range	40%RH ~ 95%RH (chamber temperature > 10°C)		
	Fluctuation	±3%RH		
	Display Accuracy	1%RH		
Humidification Method	Control Accuracy	±1%RH		
	Humidification Method	Built-in electric heating humidification water tank		
Illumination	6000LX single-sided illumination, LED light source			
Illumination Control	5-level adjustable			
Controller	PID temperature controller, 24-segment program			
Display	LCD			
Shelves	3	3	3	3
Alarm Types	Over-temperature alarm, under-temperature alarm, temperature probe failure alarm, humidity probe failure alarm			
Electricity	Voltage/Frequency	1Ø, 220V/50Hz		
	Consumption (W)	2000	2000	3000
N.W. / G.W. (kg)	165/209	203/256	218/278	237/297

# Climate Chamber

ICB-CC250H

ICB-CC350H



## Key Features



### Energy-saving

Adopts energy-saving LED cold light source; The light intensity is adjustable in six levels to meet plants with different light needs.

Intelligent control of humidification method instrument.



### Intelligent control

Large high definition LCD display, with intelligent microcomputer control, parameter real-time display.



### Internal circulation system

Back suction and bottom forced convection system.

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.



### Dedicated sheet metal processing

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.



### Humanized design

The anti-scalding design of the door handle makes it easy to open and close the door.

## Application

It is widely used in microbial tissue and cell culture, seed germination, seedling raising test, plant cultivation, insect and small animal feeding, etc. Different environmental and climatic conditions can be accurately simulated.



Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

Digital independent temperature limiter control sound and light alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point.

## Optional

Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf



## Specifications

Model	ICB-CC250H	ICB-CC350H
Capacity (L)	250	350
Circulation Mode	Forced convection	
Dimension (W*D*H)	Internal (mm)	560*420*1050
	External (mm)	660*660*1700
Temperature	Range (°C)	With lighting:10~50 ; Without lighting:4~50
	Fluctuation (°C)	±1
	Resolution (°C)	0.1
	Uniformity (°C)	±1
	Sensor	PT100
Humidity	Range	50 ~ 90%RH
	Stability	±5 ~ ±7 %
	Method	Internal
	Sensor	High precision anti-condensation
Illumination (Lx)	0 ~ 12000	0 ~ 15000
Illumination Control	6-level relative illuminance control	
Controller	PID	
Display	Large high definition LCD	
Timer (min)	1 ~ 9999 (Optional 30*segments*100 cycles)	
Material	Internal	Stainless steel
	External	Cold rolled steel electrostatic spraying exterior
Shelves	3	
Test Hole (Optional) (mm)	Φ 25, 50, 80, 100	
Refrigerant	R134a (CFC free)	
Defrosting Mode	Automatic	
Safety Device	Visible & audible over temperature, over humidity, water shortage alarm; leakage protector	
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz
	Consumption (W)	1500
N.W. / G.W. (kg)	120 / 128	155 / 260
Package Dimension(W*D*H)(mm)	810*770*1900	790*910*2060
Optional	Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf	

# Climate Chamber

ICB-CC253YC ICB-CC412YC ICB-CC722YC ICB-CC1022YC



ICB-CC253YC ICB-CC412YC

- Capacity: 253L, 412L, 722L, 1022L
- Humidity Range: 30%RH-90%RH
- Light Intensity Control: 320 $\mu$ mol/m<sup>2</sup>/s (15 cm from light source)
- Adopts cold humidification technology suitable for plant and animal growth

## Application

The climate chamber is suitable for microbial and tissue cell culture, plant cultivation and growth, as well as the rearing of insects and small animals.



ICB-CC722YC ICB-CC1022YC

## Performance Advantages



Programmable microcomputer fuzzy PID control technology, with two modes: 30 segments and 99 cycles, or real-time operation according to Beijing time (24 hours a day). Gradient and slope control of temperature rise and fall are achieved through programming settings of parameters such as temperature and humidity, airflow speed, light intensity, running time, and heating rate.



The new diffusion-type air duct circulation system improves the uniformity of temperature and humidity. Adopts cold humidification technology suitable for plant and animal growth.

## Features



**Wide-screen display:** Convenient for setting programs and observing temperature, humidity, fan speed, running time, etc. It is equipped with temperature, humidity and water level alarm functions (visual indicators and audible prompts).

**Over-temperature protection system:** Automatically interrupts operation when the preset temperature range is exceeded, featuring audible and visual alarms to ensure the safety of samples and the experimental environment.

**USB interface:** Used to connect a printer or USB flash drive for real-time recording of temperature and humidity data during the experiment.

**Independent ventilation fan:** Efficiently exhausts heat generated by the refrigeration compressor and electrical control components.

**Shelves:** Made of SUS304 stainless steel; The shelf height is adjustable to meet specific requirements.

**Shelf-type lamp holder:** High layered illumination uniformity with vertical lighting that is ideal for plant growth; equipped with plant growth lamps featuring a complete spectral range.



**Square steel base:** Constructed from integrally welded rectangular square steel for high strength and durability, ensuring stability without vibration.

**Universal casters:** Can be freely turned and locked; made of wear-resistant polyurethane.

**φ40 test hole:** Convenient for monitoring; equipped with a silicone soft plug to prevent air convection.

**German-style outer door handle:** 90° rotating design with 4-point forced locking mechanism, ensures superior sealing, prevents air leakage, and enhances thermal insulation performance.

**Outer casing:** Made of high-quality cold-rolled steel plate with powder coating technology, with uniform thickness and a simple and beautiful appearance.



## Performance Advantages



The frost-free design effectively avoids temperature and humidity drift caused by the absence of a defrosting function, or significant fluctuations in temperature and humidity during traditional defrosting cycles. It maintains excellent temperature and humidity stability even during long-term experiments.



The circulating fan has three adjustable speeds (high, medium, and low), providing a more stable temperature and humidity environment suitable for the growth of the culture.



The light sources on the chamber top and the shelf-type lamp holders provide vertical and layered illumination, preventing the phototropic bending of plants caused by side-wall lighting and ensuring good light uniformity. With five adjustable light intensity levels, temperature and light can simulate natural weather patterns throughout the day.



The refrigeration system adopts hot gas bypass energy regulation technology to ensure efficient and safe operation of the compressor under high-temperature conditions.



## Specifications

Model	ICB-CC253YC		ICB-CC412YC	ICB-CC722YC	ICB-CC1022YC
Capacity (L)	253		412	722	1022
Circulation Mode	Forced Convection (Balanced Type)		Forced Convection (Balanced Type)		
Dimension(W*D*H)	Internal (mm)	640*460*860	560*530*1390	980*530*1390	980*750*1390
	External (mm)	800*780*1570	1025*810*1735	1445*810*1735	1445*1030*1735
Temperature	Range (°C)	With lighting:5~50; Without lighting: 0~50	With lighting:5~50; Without lighting: 0~50		With lighting:10~50; Without lighting: 5~50
	Resolution (°C)	0.1	0.1		
	Fluctuation (°C)	±0.8	±0.8		±1
Humidity	Range	30%RH~90%RH	30%RH~90%RH		
	Fluctuation	±3%RH~±5%RH	±3%RH~±5%RH		
Light Intensity Control (5-level adjustable)	320μmol/m <sup>2</sup> /s (15 cm from light source)		320μmol/m <sup>2</sup> /s (15 cm from light source)		
Operating Ambient Temperature (°C)	5-30		5-30		
Shelves (Standard)	2		3	3	3
Shelf-type Lamp Holder	Two layers		Three layers	Three layers	Three layers
Test Hole (mm)	φ40		φ40		
Electricity	Voltage/Frequency	AC 220V, 50Hz	AC 220V, 50Hz		
	Consumption (W)	2300	2875	4025	4370
Safety Protection	Refrigeration System	Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.	Compressor overheating, over-current and over-pressure protection; condenser fan overheating protection.		
	Others	Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.	Main power phase sequence and phase loss protection; Leakage and short-circuit protection; Overload protection; Water shortage protection.		

# Climate Chamber

ICB-CC420T

ICB-CC1000T



ICB-CC420T



ICB-CC1000T

## Function Introduction

### Temperature & Humidity

#### Precise Control

The chamber utilizes high-precision sensors combined with an intelligent PID algorithm to accurately control temperature fluctuations, providing a stable and reliable environment for experiments.

#### Ultrasonic Humidification

Equipped with an integrated humidification system and an internal circulation design, the chamber ensures convenient water replenishment and long-term, stable operation.

### Air Circulation

#### Internal & External Circulation

Continuous convection exchange with manually adjustable ventilation control.

#### Internal Circulation

Supports segmented wind speed adjustment within the range of 30% to 100%.

### Intelligent Control

#### Programming

Supports gradient control of time, humidity, temperature, illumination, and wind speed, simulating various climatic conditions such as day and night to meet different plant growth requirements.

## Features



### Power-Off Data Protection

Resumes previous state after power restoration.



### Abnormal Alarm

Door open timeout alarm, temperature over-limit alarm, and sensor failure alarm.



### Automatic Timed Defrost

On-demand defrosting with precise, continuous temperature control.



### Intelligent Control

Accurate control of temperature and light intensity, providing an ideal experimental environment.



### Sterilization

UV sterilization, automatically turning off after the set time.



### Multiple Safety Protection

Leakage protection, fault circuit protection, over-temperature protection, compressor overload protection, and current overload protection.

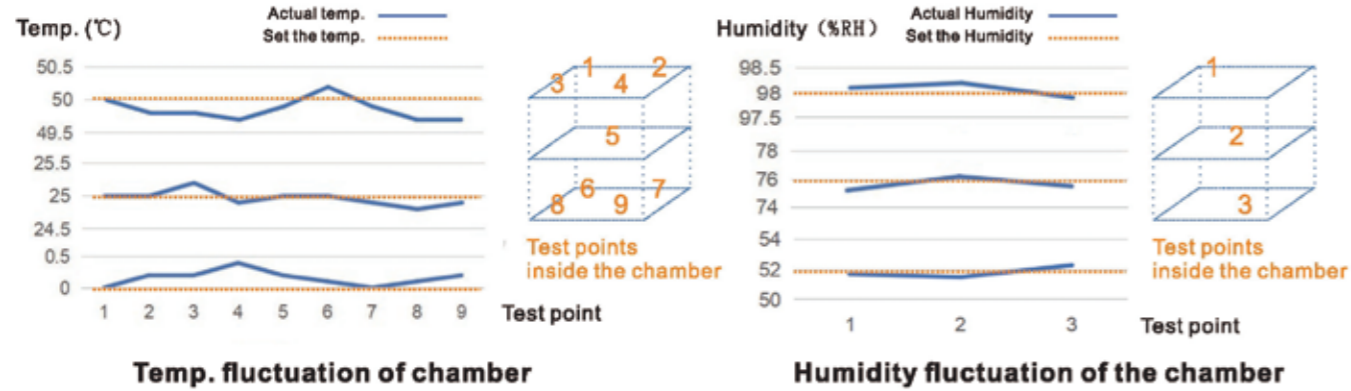
## Description

The Intelligent Artificial Climate Chamber can accurately control temperature, humidity, illuminance, and wind speed.

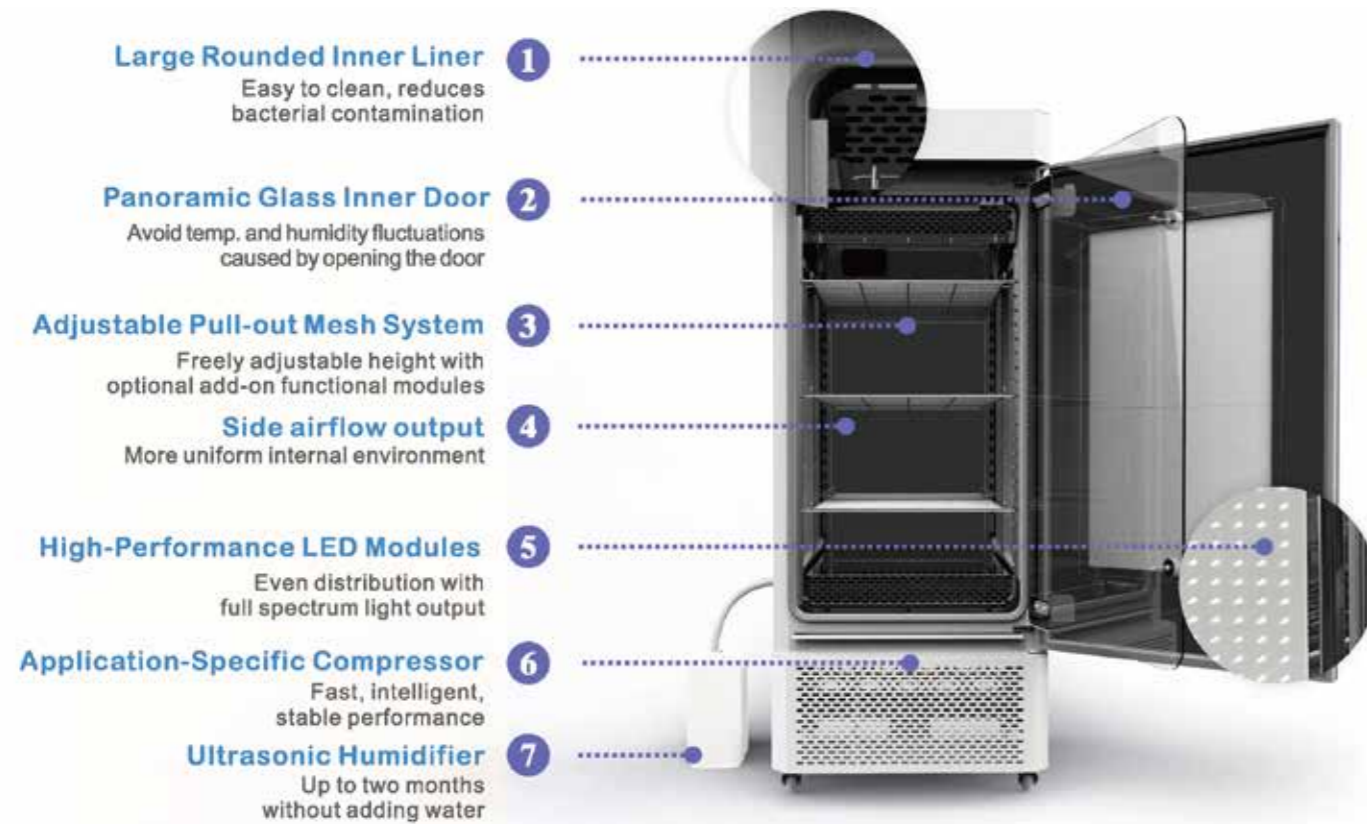
- Capacity: 420L, 1000L
- Illumination Method: Three-sided illumination
- Illumination Range: 0~22,000 Lux
- Temperature Control Range: 0 ~ 65°C (Lights OFF); 10~50°C (Lights ON)
- With panoramic glass inner door and adjustable pull-out mesh system

## Precise Control

The chamber adopts precision sensors combined with intelligent PID algorithm to accurately control temp. fluctuations, providing a stable and reliable environment for experiments.



## Internal Structure



## Specifications

Model	ICB-CC420T	ICB-CC1000T
Capacity	420L	1000L
Illumination Method	Three-sided illumination	
Illumination Range	0~22,000 Lux (higher illumination can be customized)	
Illumination Levels	0 ~ 100%	
Temperature Control Range	0 ~ 65°C (Lights OFF) 10~50°C (Lights ON)	
Humidity Control Range	50~95% RH (Chamber temp.: 10-50°C) 50~80% RH (Chamber temp.: 50-55°C) 50~60% RH (Chamber temp.: 55-60°C) <50% RH (Chamber temp.: 60-65°C)	50~95% RH (Chamber temp.: 10-50°C) 50~70% RH (Chamber temp.: 50-55°C) <50% RH (Chamber temp.: 55-60°C) <40% RH (Chamber temp.: 60-65°C)
Temperature Fluctuation	±0.1°C (Tested at chamber temperature 25.0°C, humidity 50%RH)	±0.3°C (Tested at chamber temperature 25.0°C, humidity 50%RH)
Temperature Uniformity	±0.5°C (Tested at chamber temperature 25.0°C, humidity 50%RH)	±1°C (Tested at chamber temperature 25.0°C, humidity 50%RH)
Humidity Fluctuation	±2%RH (Tested at chamber temperature 25.0°C, humidity 50%RH)	±3%RH (Tested at chamber temperature 25.0°C, humidity 50%RH)
Programming Segments	30 experimental programs can be stored, each with 1-99 programmable segments	
Internal Dimensions	635*560*1165mm	1415*560*1165mm
External Dimensions	762*765*1900mm	1552*765*1940mm
Electricity	AC 220V/50Hz, 10A	
Max. Power Consumption	1200W	2500W
Communication Interface	Standard RJ45 Ethernet port, Wi-Fi, USB data port, and IoT functionality	

# Illumination Chamber

ICB-L250B ICB-L350B ICB-L450B

## Key Features



### Energy-saving

Imported compressor, safe and reliable.

Defrosting function: three-stage electric heating defrosting program control.



### Intelligent control

Large high definition LCD display, with intelligent microcomputer control, parameter real-time display.

The intelligent temperature control system can continuously control temperature, light level and running time.



### Internal circulation system

Back suction and bottom forced convection system.

Adopts high-quality fan and large impeller fan, the machine has higher ventilation efficiency and better temperature uniformity.



### Dedicated sheet metal processing

The inner chamber is made of high-quality brushed stainless steel, with strong corrosion resistance.



### Humanized design

Optional observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.



## Application

It is widely applied to microbial tissue and cell culture, seed germination, seedling culture test, plant cultivation, raising of insects and small animals, etc. Different environmental and climatic conditions can be accurately simulated.

## Optional

Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf



## Specifications

Model	ICB-L250B	ICB-L350B	ICB-L450B	
Capacity (L)	250	350	450	
Circulation Mode	Forced convection			
Dimension (W*D*H)	Internal (mm)	560*420*1050	560*530*1200	700*530*1210
	External (mm)	660*660*1700	670*730*1880	810*790*1890
Temperature	Range (°C)	With lighting: 10 ~ 50		Without lighting: 4 ~ 50
	Fluctuation (°C)	±1		
	Resolution (°C)	0.1		
	Sensor	PT100		
Illumination (Lx)	0 ~ 12000	0 ~ 15000	0 ~ 20000	
Illumination Control	6-level relative illuminance control			
Controller	PID			
Display	Large high definition LCD			
Timer (min)	1 ~ 9999 (Optional 30*segments*100 cycles)			
Material	Internal	Stainless steel		
	External	Cold rolled steel electrostatic spraying exterior		
Shelves	3	3	4	
Test Hole (Optional) (mm)	Φ 25, 50, 80			
Refrigerant	R134a (CFC free)			
Defrosting Mode	Automatic			
Safety Device	Visible & audible over temperature, leakage protector			
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		
	Consumption (W)	1500	2150	2250
N.W. / G.W. (kg)	103/123	128/149	153/175	
Package Dimension(W*D*H)(mm)	800*750*1910	910*780*2030	880*850*2100	
Optional	Test hole, internal socket, Digital independent temperature limiter、Programable temperature controller (Optional USB,RS485/232 and built-in printer)、Spare shelf			



Equipped with leakage protection device to ensure the safety of operators and other equipment in the laboratory.

Digital independent temperature limiter control sound and light alarm system.

Self-diagnosis function: display fault information, which is convenient for judging the fault point.

# Illumination Chamber

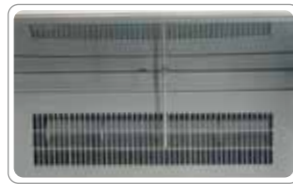
ICB-L180B ICB-L290B ICB-L400B ICB-L520B



## Features



Microcomputer intelligent PID temperature controller for precise temperature control; Equipped with parameter memory function, automatically resuming operation after power restoration.



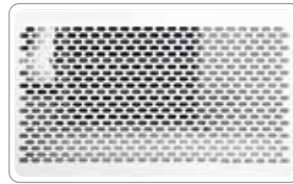
The inner chamber is equipped with a fan to create micro-airflow circulation, improving the temperature uniformity inside the chamber.



Outer casing material: Cold-rolled steel plate with powder coating; Inner chamber material: SUS304 stainless steel plate.



The inner chamber adopts an arc structure design for easy cleaning. Pull-out removable shelves with adjustable spacing.



Uses SECOP refrigeration compressor, high efficiency and low consumption; uses CFC-free environmentally friendly refrigerant.



Equipped with casters for easy movement.

## Application

This product is a high-precision constant temperature device with illumination function. It can be used for plant germination, seedling cultivation, microbial culture, BOD determination in water quality monitoring, and other constant temperature experiments. It is an ideal experimental device for production, scientific research, and teaching departments in biological genetic engineering, medicine, agricultural and forestry environmental science, animal husbandry and aquaculture.



- Capacity: 173L, 288L, 400L, 516L
- Temperature Range: With lighting:10~65℃; Without lighting: 0~65℃
- 6000LX single-sided illumination, LED light source
- PID temperature controller, 24-segment program

**Standard**

- φ35mm test hole
- USB data storage

**Optional**

- Independent external temperature protection device
- Micro thermal printer or dot matrix printer

## Specifications

Model	ICB-L180B	ICB-L290B	ICB-L400B	ICB-L520B
Capacity (L)	173	288	400	516
Circulation Mode	Forced convection			
Dimension (W*D*H)	Internal (mm)	550*450*700	600*600*800	800*550*910
	External (mm)	700*840*1590	800*990*1690	1000*910*1800
Temperature	Range (℃)	With lighting:10~65; Without lighting: 0~65		
	Uniformity (℃)	±1		
	Fluctuation (℃)	±0.5		
	Display Accuracy	0.1		
	Control Accuracy	±0.1		
Illumination	6000LX single-sided illumination, LED light source			
Illumination Control	5-level adjustable			
Controller	PID temperature controller, 24-segment program			
Display	LCD			
Shelves	3	3	3	3
Alarm Types	Over-temperature alarm, temperature probe damage alarm			
Electricity	Voltage/Frequency	1Ø, 220V/50Hz		
	Consumption (W)	1000	1000	1500
N.W. / G.W. (kg)	165/209	203/256	218/278	237/297

# CO<sub>2</sub> Incubator

ICB-CO2-40Y ICB-CO2-80Y ICB-CO2-150Y  
ICB-CO2-190Y ICB-CO2-240Y



## Key Features



### Faster CO<sub>2</sub> concentration restoration speed

If the door needs to be opened frequently during the experiment, infrared sensors are the best choice.

The imported infrared (IR) sensor has the characteristics of fast monitoring of carbon dioxide gas and is not affected by fluctuations in external temperature and humidity.



### Internal circulation system

Adopts high-quality fan, higher ventilation efficiency and better temperature uniformity.

The circulation fan speed can be automatically controlled.



### High cleanliness level

The door temperature controller can effectively prevent condensation on the glass door of the incubator and prevent the possibility of microbial contamination caused by condensation water from the glass door.

The CO<sub>2</sub> air inlet is equipped with a high-efficiency microbial filter. For particles with a diameter of 0.3µm or greater, the filtration efficiency is as high as 99.99%, effectively filtering bacteria and dust particles in CO<sub>2</sub> gas.

HEPA high-efficiency filter can effectively filter out bacteria and dust particles in the outside air, keeping the incubator in a sterile state.



### Humanized design

Can be stacked (two layers) to make full use of laboratory space

The large LCD screen above the outer door can display temperature, CO<sub>2</sub> concentration, relative humidity, and the menu-based operation interface is simple and easy to understand, easy to observe and use.



With temperature limit alarm system and visible & audible alarm system.

Low temperature, high temperature and over-temperature alarms, CO<sub>2</sub> too high or too low concentration alarms.

Safety facilities such as alarms if the door is opened for too long and UV sterilization working status reminders.



### Application

CO<sub>2</sub> Incubator is widely used in modern medicine, biology, chemistry and agriculture science for the culture of biological cells, tissues and bacterial.



ICB-CO2-40Y ICB-CO2-80Y  
ICB-CO2-150Y ICB-CO2-190Y  
ICB-CO2-240Y



ICB-CO2-40Y ICB-CO2-80Y  
ICB-CO2-150Y ICB-CO2-190Y  
ICB-CO2-240Y

## Specifications

Model	ICB-CO2-40Y		ICB-CO2-80Y		ICB-CO2-150Y		ICB-CO2-190Y		ICB-CO2-240Y			
Capacity(L)	40		80		155		190		240			
Circulation Mode	Forced convection				Forced convection							
Dimension (W*D*H)	Internal (mm)		400*286*350		400*450*500		480*530*610		520*530*690		600*630*670	
	External (mm)		590*440*576		590*687*790		670*767*880		708*710*1030		788*837*940	
Temperature	Range (°C)		RT.+5~55		RT.+5~55		RT.+5~55		RT.+5~55		RT.+5~55	
	Fluctuation (°C)		±0.1		±0.1		±0.1		±0.1		±0.1	
	Resolution (°C)		±0.1		±0.1		±0.1		±0.1		±0.1	
	Recovery		(Door open 30s, recovery to 37°C ≤ 8min)		(Door open 30s, recovery to 37°C ≤ 8min)		(Door open 30s, recovery to 37°C ≤ 8min)		(Door open 30s, recovery to 37°C ≤ 8min)		(Door open 30s, recovery to 37°C ≤ 8min)	
Humidity	Range		>90%		>90%		>90%		>90%		>90%	
	Method		Natural vaporization		Natural vaporization		Natural vaporization		Natural vaporization		Natural vaporization	
CO <sub>2</sub>	Range		0~20%		0~20%		0~20%		0~20%		0~20%	
	Resolution		±0.1%		±0.1%		±0.1%		±0.1%		±0.1%	
	Sensor		IR sensor		IR sensor		IR sensor		IR sensor		IR sensor	
	Recovery		(Door open 30s, recovery to 5%)≤3min		(Door open 30s, recovery to 5%)≤3min		(Door open 30s, recovery to 5%)≤3min		(Door open 30s, recovery to 5%)≤3min		(Door open 30s, recovery to 5%)≤3min	
Heating Method	Air-jacketed, PID Control				Air-jacketed, PID Control							
Display	LCD				LCD							
Material	Internal		304 Stainless steel		304 Stainless steel		304 Stainless steel		304 Stainless steel		304 Stainless steel	
	External		Cold rolled steel		Cold rolled steel		Cold rolled steel		Cold rolled steel		Cold rolled steel	
Shelves(Standard / Max )	2/4		2/4		3/6		3/6		3/6		3/6	
Test Hole (mm)	φ 50				φ 50							
Safety Device	Temperature limit alarm, visible& audible alarm, Low temperature, high temperature and over-temperature alarms, CO <sub>2</sub> too high or too low concentration alarms, Alarm for long door opening time, UV sterilization working status reminder				Temperature limit alarm, visible& audible alarm, Low temperature, high temperature and over-temperature alarms, CO <sub>2</sub> too high or too low concentration alarms, Alarm for long door opening time, UV sterilization working status reminder							
Sterilization Method	90°C high-temperature moist heat sterilization				90°C high-temperature moist heat sterilization							
Electricity	Voltage/Frequency		AC 220/110V, 50/60Hz		AC 220/110V, 50/60Hz		AC 220/110V, 50/60Hz		AC 220/110V, 50/60Hz		AC 220/110V, 50/60Hz	
	Consumption (W)		350		500		750		750		950	
N.W./G.W. (kg)	50/70		64/90		85/112		90/134		95/148		95/148	
Package Dimension(W*D*H)(mm)	650*710*740		750*710*960		840*790*1070		860*860*1170		960*900*1160		960*900*1160	
Optional	Humidity display system ; Shelf ; UV Sterilization				Humidity display system ; Shelf ; UV Sterilization							

# CO<sub>2</sub> Incubator

ICB-CO2-50H ICB-CO2-80H ICB-CO2-150H  
 ICB-CO2-190H ICB-CO2-240H ICB-CO2-30W  
 ICB-CO2-80W ICB-CO2-150W



## Key Features



### Faster CO<sub>2</sub> concentration restoration speed

If the door needs to be opened frequently during the experiment, infrared sensors are the best choice.

The infrared (IR) sensor has the characteristics of fast monitoring of carbon dioxide gas and is not affected by fluctuations in external temperature and humidity.



### Internal circulation system

Adopts high-quality fan, higher ventilation efficiency and better temperature uniformity.

The circulation fan speed can be automatically controlled.



### High cleanliness level

The door temperature controller can effectively prevent condensation on the glass door of the incubator and prevent the possibility of microbial contamination caused by condensation water from the glass door.

The CO<sub>2</sub> air inlet is equipped with a high-efficiency microbial filter. For particles with a diameter of 0.3µm or greater, the filtration efficiency is as high as 99.99%, effectively filtering bacteria and dust particles in CO<sub>2</sub> gas.

With UV sterilization system that can regularly disinfect the inside of chamber.



### Humanized design

Two-layer stacking makes full use of laboratory space.

Microcomputer LCD controller, precise and reliable control.

The stainless steel chamber and shelves have semi-circular arc transitions at the four corners, and the shelves brackets can be freely assembled and removed for easy cleaning.



Independent temperature limit alarm system to ensure safe operation of the experiment.

Low temperature, high temperature and over-temperature alarms.

Alarm for long door opening time.



### Application

CO<sub>2</sub> Incubator is widely used in modern medicine, biology, chemistry and agriculture science for the culture of biological cells, tissues and bacterial.

## Specifications

Model		ICB-CO2-50H ICB-CO2-80H	ICB-CO2-150H ICB-CO2-190H	ICB-CO2-240H	ICB-CO2-30W ICB-CO2-80W	ICB-CO2-150W
Capacity(L)		50/80	150/190	240	26/80	150
Circulation Mode		Forced convection		Forced convection		
Dimension (W*D*H)	Internal (mm)	400*350*350	480*530*610	600*630*670	290*290*310	500*500*650
		400*450*500	520*530*690		400*400*500	
	External (mm)	580*450*730 590*657*870	670*710*950 708*710*1030	788*837*940	440*410*544 550*520*764	650*615*914
Temperature	Range (°C)	RT.+5~55		RT.+5~55		
	Fluctuation (°C)	±0.2		±0.2	±0.1	
	Resolution (°C)	±0.1		±0.1		
	Recovery	(Door open 30s, recovery to 37°C ≤ 8min)		(Door open 30s, recovery to 37°C ≤ 8min)		
Humidity	Range	≥90%		≥90%		
	Method	Natural vaporization		Natural vaporization		
CO <sub>2</sub>	Range	0~20%		0~20%		
	Resolution	±0.1%		±0.1%		
	Sensor	IR sensor		IR sensor		
	Recovery	(Door open 30s, recovery to 5%)≤3min		(Door open 30s, recovery to 5%)≤3min		
Heating Method		Air-jacketed, PID Control		Air-jacketed, PID Control	Water-jacketed, PID Control	
Display		LCD		LCD		
Material	Internal	304 Stainless steel		304 Stainless steel		
	External	Cold rolled steel		Cold rolled steel		
Shelves(Standard / Max )		2/4	3/6	3/6	2/4	3/6
Test Hole (mm)		φ50		φ50		
Safety Device		Low temperature, high temperature and over-temperature alarms, Alarm for long door opening time		Low temperature, high temperature and over-temperature alarms, Alarm for long door opening time		
Sterilization Method		UV Sterilization		UV Sterilization		
Electricity	Voltage/Frequency	AC 220/110V, 50/60Hz		AC 220/110V, 50/60Hz		
	Consumption (W)	450/500	750	950	250/680	950
N.W./G.W. (kg)		59/80	83/126	95/148	50/65	68/125
		64/96	85/134		55/90	
Package Dimension(W*D*H)(mm)		720*670*930 760*720*1060	830*840*1250	930*910*1220	580*560*810 700*670*1010	830*780*1070
Optional	Humidity display system		Humidity display system			
	Printer (Nested)		Printer (Nested)			
	HEPA high efficiency filter		HEPA high efficiency filter			

# Shaking Incubator

ICB-S0420 ICB-S1020



ICB-S1020

## Key Features

- Large high definition LCD display, with intelligent microcomputer control, parameter real-time display
- Gentle and reliable shaking with direct brushless DC motor.
- Built-in temperature calibration function.
- Seven interchangeable platforms can be chosen for variety demands.



Self-stop protection when the door is opened, and safety alarm.  
Auto restart in case of power failure.  
With over temperature control of visible & audible alarm system.

## Optional

Fixture



## Specifications

Model	ICB-S0420	ICB-S1020
Capacity (L)	45	160
Circulation	Forced convection	
Shake Mode	Convolution	
Orbit Diameter (mm)	Φ20	
Cyclotron Frequency	Range (rpm / min)	50~300
	Resolution (rpm)	10
Temperature	Range (°C)	RT+5 ~ 60
	Fluctuation (°C)	≤±0.5 (37°C)
	Resolution (°C)	0.1
	Uniformity (°C)	≤±0.5 (37°C)
Dimension (W*D*H)	External (mm)	421*320*338
	Platform (mm)	230*230
Controller	Microcomputer	
Display	Large high definition LCD	
Timer	1min~99h59min/∞	
Safety Device	Running safely: heating and shaking will be automatically stopped once the lid is open.	
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz
	Consumption (W)	350
N.W. / G.W. (kg)	18.5 / 25.5	41 / 58
Package Dimension (W*D*H) (mm)	570*470*460	760*630*700
Optional	Fixture	



## Application

The constant temperature incubation shaker is a small bench-top shaking incubator that combines the functions of gas bath constant temperature and horizontal oscillation.

It is widely used in the fields of biotechnology, microbiology, medical analysis, etc.

A variety of optional trays meet the placement and fixation of various flasks, beakers, petri dishes, test tubes and other containers. Its ingenious combination of precise temperature control and low frequency and high amplitude oscillation functions; And it has the characteristics of small size, convenient operation, simple maintenance and so on.

# Optional Fixture



ICB-S1020



PF-1



ICB-S0420



TOS30-T1



PF-2



PF-3



PF-4



TOS30-T2



TOS30-T3



TOS30-T4



PF-5



PF-6



PF-7

# Shaking Incubator

ICB-S100B ICB-S200B ICB-S100D  
 ICB-S200D ICB-SL100F ICB-SL200F



## Key Features



### Intelligent control

Large high definition LCD display, with intelligent PID control, parameter real-time display.

Reservation timing switch function.

It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.



### Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

High efficiency and energy saving compressor, stable temperature control and low power consumption.



### Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components, inclined humanized control panel.



### Humanized design

Environmentally friendly refrigerant, CFC free.

The unique unidimensional drive system makes the machine run smoothly, stably, durable and reliable.

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Safety



With over temperature control of visible & audible alarm system.



The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.



Fault self-diagnosis function, auto-stop operation when door is opened and safety alarm.



## Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

## Optional

Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination

## Specifications



ICB-S100B ICB-S200B ICB-S100D  
ICB-S200D ICB-SL100F ICB-SL200F



ICB-S100B ICB-S200B ICB-S100D  
ICB-S200D ICB-SL100F ICB-SL200F

Model	ICB-S100B	ICB-S200B	ICB-S100D	ICB-S200D	ICB-SL100F	ICB-SL200F
Capacity (L)	70		70			
Circulation	Forced convection		Forced convection			
Drive Mode	Multidimensional drive		Unidimensional drive		Track drive	
Shake Mode	Convolution		Convolution			
Orbit Diameter (mm)	Φ26		Φ0-50			
Cyclotron	Range (rpm / min) 0 (to do static culture), 20-300		0 (to do static culture), 20-600		0 (to do static culture), 20-260	
Frequency	Resolution (rpm) ±1		±1			
Temperature	Range (°C) RT +5 ~ 65		4 ~ 65 (RT: 25)		RT +5 ~ 65	
	Fluctuation (°C) ≤0.1 (37°C)		≤0.1 (37°C)		4 ~ 65 (RT: 25)	
	Resolution (°C) ± 0.1		± 0.1		RT +5 ~ 65	
	Uniformity (°C) ± 0.6 (37°C)		± 0.6 (37°C)		4 ~ 65 (RT: 25)	
Dimension (W*D*H)	External (mm) 750*710*520		750*710*520			
	Platform (mm) 450*410		410*360			
Flask Clamp	Max. capacity 100ml*23 or 250ml*15 or 500ml*9 or 1000ml*6 or 2000ml*4		100ml*23 or 250ml*15 or 500ml*9 or 1000ml*6 or 2000ml*4		100ml*23 or 250ml*15 or 500ml*9 or 1000ml*6 or 2000ml*4	
	Standard capacity 500ml*3 250ml*3 100ml*4 50ml*4		500ml*3 250ml*4 100ml*5 50ml*5		500ml*3 250ml*3 100ml*4 50ml*4	
Sticky Mat (Optional)	Max. capacity 100ml*30 or 250ml*20 or 500ml*9 or 1000ml*8 or 2000ml*4		100ml*21 or 250ml*16 or 500ml*9 or 1000ml*5 or 2000ml*4			
Controller	PID microcomputer		PID microcomputer			
Control Mode	Fixed value mode, static mode, multi-segment program control mode		Fixed value mode, static mode, multi-segment program control mode			
Display	Large high definition LCD		Large high definition LCD			
Timer (h)	0 ~ 9999 (or continuous operation)		0 ~ 9999h (or continuous operation)			
Refrigerant	/		R134a (CFC free)		/	
Defrosting Mode	/		Automatic		/	
Safety Device	Self-diagnosis, visible & audible over temperature, abnormal status alarm		Self-diagnosis, visible & audible over temperature, abnormal status alarm			
Electricity	Voltage/Frequency(V/Hz) AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz			
	Consumption (W) 550		650		550	
N.W. / G.W. (kg)	75 / 105		90 / 120		75 / 105	
Package Dimension(W*D*H)(mm)	870*870*700		880*870*710		870*870*705	
Optional	Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination		Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination			

# Shaking Incubator

ICB-S1102C ICB-S2102C ICB-S1102CD ICB-S2102CD  
 ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D  
 ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F



## Key Features

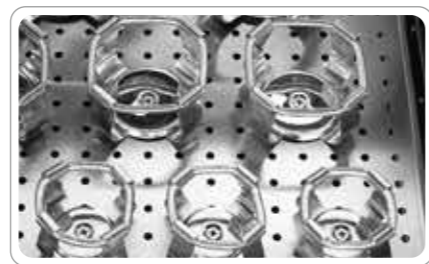


### Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.



### Dedicated sheet metal processing


With ABS cabinet, mirror stainless steel lining and chamber components.

## Intelligent control

Large high definition LCD display, with intelligent PID control, parameter real-time display.

Reservation timing switch function.

It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.



### Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Safety



With over temperature control of visible & audible alarm system.



The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.



Fault self-diagnosis function, auto-stop operation when door is opened and safety alarm.



## Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

## Optional

Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination

## Specifications



ICB-S1102C ICB-S2102C  
ICB-S1102CD ICB-S2102CD



ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D  
ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F

Model	ICB-S1102C		ICB-S2102C		ICB-S1102CD		ICB-S2102CD		ICB-S1102		ICB-S2102		
Capacity (L)	175		175		218		218		335		335		
Circulation	Forced convection				Forced convection								
Drive Mode	Multidimensional drive				Multidimensional drive								
Shake Mode	Convolution				Convolution								
Orbit Diameter (mm)	Φ 26				Φ 26								
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture); 20 ~ 350		0 (to do static culture); 20 ~ 350		0 (to do static culture); 20 ~ 350		0 (to do static culture); 20 ~ 350					
	Resolution (rpm)	±1		±1		±1		±1					
Temperature	Range (°C)	RT+5 ~ 65	4 ~ 65 (RT.25)		RT+5 ~ 65	4~65 (RT.25)		RT+5 ~ 65	4 ~ 65 (RT.25)				
	Fluctuation (°C)	≤0.1 (37°C)		≤0.1 (37°C)		≤0.1 (37°C)		≤0.1 (37°C)					
	Resolution (°C)	± 0.1		± 0.1		± 0.1		± 0.1					
	Uniformity (°C)	±0.5 (37°C)		±0.5 (37°C)		±0.5 (37°C)		±0.5 (37°C)					
Dimension (W*D*H)	External (mm)	700*580*1280		700*710*1320		950*700*1280							
	Platform (mm)	500*360	500*360		485*485	485*485		710*455	710*455				
Flask Clamp	Max. capacity	100ml*60 or 250ml*38 or 500ml*22 or 1000ml*16		100ml*68 or 250ml*50 or 500ml*32 or 1000ml*18		100ml*100 or 250ml*56 or 500ml*44 or 1000ml*24							
	Standard capacity	250ml*24		250ml*48		250ml*28 500ml*22							
Sticky Mat (Optional)	Max. capacity	100ml*60 or 250ml*36 or 500ml*24 or 1000ml*16		100ml*68 or 250ml*50 or 500ml*32 or 1000ml*18		100ml*120 or 250ml*70 or 500ml*44 or 1000ml*24							
Controller	PID microcomputer				PID microcomputer								
Control Mode	Fixed value mode, static mode, multi-segment program control mode				Fixed value mode, static mode, multi-segment program control mode								
Display	Large high definition LCD				Large high definition LCD								
Timer (h)	0 ~ 9999 (or continuous operation)				0 ~ 9999 (or continuous operation)								
Refrigerant	/	R134a (CFC free)		/	R134a (CFC free)		/	R134a (CFC free)					
Defrosting Mode	/	Automatic		/	Automatic		/	Automatic					
Safety Device	Self-diagnosis, visible & audible over temperature, abnormal status alarm.				Self-diagnosis, visible & audible over temperature, abnormal status alarm.								
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz							
	Consumption (W)	600	850		600	850		900	1150				
N.W. / G.W. (kg)	160 / 210		180 / 220		180 / 230		200 / 240		270 / 330		280 / 340		
Package Dimension (W*D*H) (mm)	825*720*1490		825*720*1490		850*840*1500		850*830*1480		1050*820*1490		1050*820*1490		
Optional	Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination				Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination								



ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D  
ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F



ICB-S1102 ICB-S2102 ICB-S1102D ICB-S2102D  
ICB-S1112B ICB-S2112B ICB-SL1112F ICB-SL2112F

## Specifications

Model	ICB-S1102D		ICB-S2102D		ICB-S1112B		ICB-S2112B		ICB-SL1112F		ICB-SL2112F		
Capacity (L)	400		400		580		580		580		580		
Circulation	Forced convection				Forced convection								
Drive Mode	Multidimensional drive				Multidimensional drive				Track drive				
Shake Mode	Convolution				Convolution				Reciprocate				
Orbit Diameter (mm)	Φ 26				Φ 26				Φ 0 ~ 50				
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture) ; 20 ~ 350		0 (to do static culture) ; 20 ~ 280		0 (to do static culture) ; 20 ~ 280		0 (to do static culture) ; 20 ~ 260		0 (to do static culture) ; 20 ~ 260		0 (to do static culture) ; 20 ~ 260	
	Resolution (rpm)	±1		±1		±1		±1		±1		±1	
Temperature	Range (°C)	RT+5 ~ 65		4 ~ 65 (RT.25)		RT+5 ~ 65		4 ~ 65 (RT.25)		RT+5 ~ 65		4 ~ 65 (RT.25)	
	Fluctuation (°C)	≤0.1 (37°C)		≤0.1 (37°C)		≤0.1 (37°C)		≤0.1 (37°C)		≤0.1 (37°C)		≤0.1 (37°C)	
	Resolution (°C)	± 0.1		± 0.1		± 0.1		± 0.1		± 0.1		± 0.1	
	Uniformity (°C)	±0.5 (37°C)		±0.5 (37°C)		±0.5 (37°C)		±0.5 (37°C)		±0.5 (37°C)		±0.5 (37°C)	
Dimension (W*D*H)	External (mm)	1020*700*1460		1200*800*1630		1200*800*1630		1200*800*1630		1200*800*1630		1200*800*1630	
	Platform (mm)	780*450		780*450		950*550		950*550		950*550		950*550	
Flask Clamp	Max. capacity	100ml*114 or 250ml*90 or 500ml*56 or 1000ml*30		100ml*140 or 250ml*90 or 500ml*72 or 1000ml*42		100ml*140 or 250ml*90 or 500ml*72 or 1000ml*42		100ml*140 or 250ml*90 or 500ml*72 or 1000ml*42		100ml*140 or 250ml*90 or 500ml*72 or 1000ml*42		100ml*140 or 250ml*90 or 500ml*72 or 1000ml*42	
	Standard capacity	250ml*39 500ml*23		250ml*45 500ml*36		250ml*45 500ml*36		250ml*45 500ml*36		250ml*45 500ml*36		250ml*45 500ml*36	
Sticky Mat (Optional)	Max. capacity	250ml*78 or 500ml*46 or 1000ml*30		250ml*112 or 500ml*76 or 1000ml*42		250ml*112 or 500ml*76 or 1000ml*42		250ml*112 or 500ml*76 or 1000ml*42		250ml*112 or 500ml*76 or 1000ml*42		250ml*112 or 500ml*76 or 1000ml*42	
Controller	PID microcomputer				PID microcomputer				PID microcomputer				
Control Mode	Fixed value mode, static mode, multi-segment program control mode				Fixed value mode, static mode, multi-segment program control mode				Fixed value mode, static mode, multi-segment program control mode				
Display	Large high definition LCD				Large high definition LCD				Large high definition LCD				
Timer (h)	0 ~ 9999 (or continuous operation)				0 ~ 9999 (or continuous operation)				0 ~ 9999 (or continuous operation)				
Refrigerant	/		R134a (CFC free)		/		R134a (CFC free)		/		R134a (CFC free)		
Defrosting Mode	/		Automatic		/		Automatic		/		Automatic		
Safety Device	Self-diagnosis, visible & audible over temperature, abnormal status alarm.				Self-diagnosis, visible & audible over temperature, abnormal status alarm.				Self-diagnosis, visible & audible over temperature, abnormal status alarm.				
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz	
	Consumption (W)	900		1150		1100		1400		1100		1400	
N.W. / G.W. (kg)	290 / 350		300 / 360		500 / 580		520 / 600		500 / 580		520 / 600		
Package Dimension(W*D*H)(mm)	1200*900*1600		1220*900*1660		1355*950*1795		1355*950*1795		1355*950*1795		1355*950*1795		
Optional	Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination				Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination				Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination				

# Shaking Incubator

ICB-S111B ICB-S211B ICB-S111BD ICB-S211BD  
ICB-S111C ICB-S211C ICB-SL111F ICB-SL211F

EAC CE



## Key Features

### Intelligent control

Large high definition LCD display, with intelligent PID control, parameter real-time display.

Reservation timing switch function.

It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.

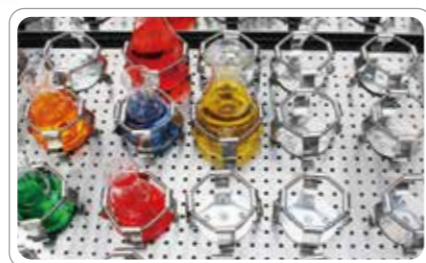


### Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.



### Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components, inclined humanized control panel.



### Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

## Safety



With over temperature control of visible & audible alarm system.



The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.



Fault self-diagnosis function, auto-stop operation when door is opened (optional) and safety alarm.



## Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

## Optional

Fixture, 7 inches touch screen (USB data storage),  
UV sterilization device, Illumination



ICB-S111B ICB-S211B  
ICB-S111BD ICB-S211BD  
ICB-S111C ICB-S211C  
ICB-SL111F ICB-SL211F



ICB-S111B ICB-S211B ICB-S111BD ICB-S211BD  
ICB-S111C ICB-S211C ICB-SL111F ICB-SL211F

## Specifications

Model	ICB-S111B	ICB-S211B	ICB-S111BD	ICB-S211BD	ICB-S111C	ICB-S211C	ICB-SL111F	ICB-SL211F
Capacity(L)	203		220		296		203	
Circulation	Forced convection				Forced convection			
Drive Mode	Multidimensional drive				Multidimensional drive		Track drive	
Shake Mode	Convolution				Convolution		Reciprocate	
Orbit Diameter (mm)	Φ 26				Φ 26		Φ 0 ~ 50	
Cyclotron Frequency	Range (rpm / min)		0 (to do static culture); 20 ~ 350		0 (to do static culture); 20 ~ 350		0 (to do static culture); 20 ~ 260	
	Resolution (rpm)		±1		±1			
Temperature	Range (℃)		RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)
	Fluctuation (℃)		≤0.1 (37℃)		≤0.1 (37℃)			
	Resolution (℃)		± 0.1		± 0.1			
	Uniformity (℃)		±0.5 (37℃)		±0.5 (37℃)			
Dimension (W*D*H)	External (mm)		1200*760*880		1200*760*1050		1200*760*880	
	Platform (mm)		920*500		920*500			
Flask Clamp	Max. capacity		100ml*66 or 250ml*45 or 500ml*28 or 1000ml*15 or 2000ml*11		100ml*72 or 250ml*67 or 500ml*42 or 1000ml*24 or 2000ml*15		250ml*45 or 500ml*28 or 1000ml*15 or 2000ml*11 or 3000ml*8 or 5000ml*6	
	Standard capacity		500ml*28		500ml*38		2000ml*8	
Sticky Mat (Optional)	Max. capacity		100ml*77 or 250ml*48 or 500ml*32 or 1000ml*18 or 2000ml*14		250ml*67 or 500ml*38 or 1000ml*24 or 2000ml*15		250ml*48 or 500ml*32 or 1000ml*18 or 2000ml*14 or 3000ml*8 or 5000ml*6	
Controller	PID microcomputer				PID microcomputer			
Control Mode	Fixed value mode, static mode, multi-segment program control mode				Fixed value mode, static mode, multi-segment program control mode.			
Display	Large high definition LCD				Large high definition LCD			
Timer (h)	0 ~ 9999 (or continuous operation)				0 ~ 9999 (or continuous operation)			
Refrigerant	/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)
Defrosting Mode	/	Automatic	/	Automatic	/	Automatic	/	Automatic
Safety Device	Self-diagnosis, visible & audible over temperature, abnormal status alarm.				Self-diagnosis, visible & audible over temperature, abnormal status alarm			
Electricity	Voltage/Frequency		AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz			
	Consumption (W)		650	900	650	900	650	900
N.W. / G.W. (kg)	170 / 250	190 / 260	170 / 250	190 / 260	180 / 260	200 / 270	170 / 250	190 / 260
Package Dimension(W*D*H)(mm)	1332 *850 *1050				1350*860*1260		1332*850*1050	
Optional	Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination				Fixture, 7 inches touch screen (USB data storage), UV sterilization device, Illumination			

# Shaking Incubator

ICB-2S106 ICB-2S206 ICB-2S103  
ICB-2S203 ICB-2S102 ICB-2S202



ICB-2S103 ICB-2S203 ICB-2S102 ICB-2S202

## Key Features

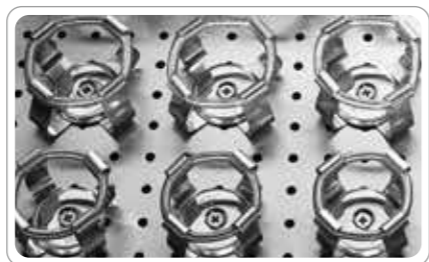


### Internal circulation system

Silent fan design, forced air convection and unique air duct design ensure good temperature uniformity.

High efficiency and energy saving compressor, stable temperature control and low power consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.




### Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components.

## Intelligent control

Large high definition LCD display, with intelligent PID control, parameter real-time display.

It has a multi-stage speed, temperature, and time control system, which allows a variety of different speed, temperature, and time experiment modes to be set once.



### Humanized design

Built-in observation window to make the objects in the chamber clear at a glance.

The anti-scalding design of the door handle makes it easy to open and close the door.

Built-in diversion waterproof system.

Built-in humidification pan.

## Safety



With over temperature control of visible & audible alarm system.



Standard UV sterilization device (including air duct disinfection) and lighting.



Fault self-diagnosis function, auto-stop operation when door is opened and safety alarm.



The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.



## Application

The oscillator (commonly known as a shaker) is one of the main equipment for microbial culture. Select special motor, temperature control, speed measurement main components are imported, widely used in biology, medicine, pharmaceutical food, environmental protection and agricultural scientific research.

## Optional

Fixture, 7 inches touch screen (USB data storage)

## Specifications



ICB-2S106  
ICB-2S206



ICB-2S103 ICB-2S203  
ICB-2S102 ICB-2S202

Model	ICB-2S106		ICB-2S206	ICB-2S103	ICB-2S203	ICB-2S102	ICB-2S202
Capacity (L)	164		164	180	180	306	306
Circulation	Forced convection		Forced convection				
Drive Mode	Multidimensional drive		Multidimensional drive				
Shake Mode	Convolution		Convolution				
Orbit Diameter (mm)	Φ 26		Φ 26				
Cyclotron Frequency	Range (rpm / min)	0 (to do static culture); 20 ~ 350 (top floor 20 ~ 300)		0 (to do static culture) ; 20~350 (top floor 20 ~ 300)			
	Resolution (rpm)	±1		±1			
Temperature	Range (°C)	RT +5 ~ 65		4 ~ 65 (RT.25)	RT +5 ~ 65	4 ~ 65 (RT.25)	RT +5 ~ 65
	Fluctuation (°C)	≤0.1 (37°C)		≤0.1 (37°C)			
	Resolution (°C)	± 0.1		± 0.1			
	Uniformity (°C)	± 0.6 (37°C)		± 0.6 (37°C)			
Dimension (W*D*H)	External (mm)	890*760*650 (per unit)		870*755*650 (per unit)		1120*790*620 (per unit)	
	Platform (mm)	475*465		475*465		610*460	
Flask Clamp	Max. capacity	250ml*25 or 500ml*16 or 1L*9 or 2L*5 (3L*5 or 5L*4) (per unit)		250ml*25 or 500ml*16 or 1L*9 or 2L*5 (per unit)		250ml*32 or 500ml*21 or 1L*13 or 2L*7 (per unit)	
	Standard capacity	500ml*16		500ml*16		500ml*20	
Sticky Mat (Optional)	Max. capacity	250ml*25 or 500ml*16 or 1L*9 or 2L*5 (per unit) or 3L*4 or 5L*2		250ml*25 or 500ml*16 or 1L*9 or 2L*5 (per unit) or 3L*4 or 5L*2		250ml*32 or 500ml*20 or 1L*12 or 2L*8 (per unit)	
Controller	PID microcomputer		PID microcomputer				
Control Mode	Fixed value mode, static mode, multi-segment program control mode		Fixed value mode, static mode, multi-segment program control mode				
Display	Large high definition LCD		Large high definition LCD				
Timer (h)	0 ~ 9999 (or continuous operation)		0~9999 (or continuous operation)				
Refrigerant	/		R134a (CFC free)	/	R134a (CFC free)	/	R134a (CFC free)
Defrosting Mode	/		Automatic	/	Automatic	/	Automatic
Safety Device	Self-diagnosis, visible & audible over temperature, abnormal status alarm		Self-diagnosis, visible & audible over temperature, abnormal status alarm				
Electricity	Voltage / Frequency	AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz			
	Consumption (W)	550		650	1000	1200	1600
N.W. / G.W. (kg)	140 / 160		150 / 190	190 / 220	190 / 230	200 / 230	210 / 240
Package Dimension (W*D*H)(mm)	930*1020*850 (per unit)		1070*920*860 (per unit)		1275*950*810 (per unit)		1520*990*830 (per unit)
Optional	Fixture, 7 inches touch screen (USB data storage)		Fixture, 7 inches touch screen (USB data storage)				

# Shaking Incubator

ICB-CO2-2S202 ICB-CO2-2S203 ICB-CO2-2S206



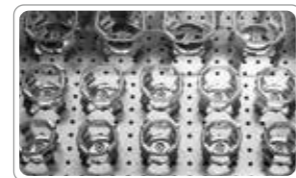
## Key Features



### Cooling system

High efficiency and energy saving compressor, stable temperature control and low power consumption.

High efficiency and energy saving compressor, stable temperature control and low power consumption, with environmentally friendly refrigerant, CFC free.



### Dedicated sheet metal processing

With ABS cabinet, mirror stainless steel lining and chamber components.

## Intelligent control

Large high definition LCD display, with intelligent PID control, parameter real-time display.


Automatic locking and alarm for speed deviation, and alarm for temperature deviation.

Reservation timing switch function.

It has a multi-stage speed, temperature, and time control system.

Using original imported infrared sensor, automatic control of CO<sub>2</sub> concentration, sensitive response and high precision.

Close the door and restart the device after opening the door for 30 seconds, the temperature recovery time is ≤6min (37°C), and the CO<sub>2</sub> concentration recovery time is ≤6min (5%).



### Humanized design

- With a USB data recording system.
- Built-in observation window to make the objects in the chamber clear at a glance.
- The anti-scalding design of the door handle makes it easy to open and close the door.
- Built-in diversion waterproof system.
- Built-in humidification pan (Except ICB-CO2-2S206).

## Safety



With over temperature control of visible & audible alarm system.



Standard UV sterilization device (including air duct disinfection) and lighting.



Fault self-diagnosis function, auto-stop operation when door is opened and safety alarm.



The unique dynamic balance design ensures smooth operation, starts at ultra-low speed, and automatically locks when the speed is out of control.



## Application

This product is used for the cultivation of cells, tissue culture and some special microorganisms; or it is necessary to control the experimental temperature and apply a cyclotron motion to the experimental solution.

## Optional

Various flask clamps, universal spring tray.



## Specifications

Model	ICB-CO2-2S202		ICB-CO2-2S203	ICB-CO2-2S206
Capacity (L)	310		184	164
Circulation	Forced convection		Forced convection	
Drive Mode	Multidimensional drive		Multidimensional drive	
Shake Mode	Convolution		Convolution	
Orbit Diameter (mm)	Φ 50 (Φ 26, Φ 35 can be customized)		Φ 50 (Φ 26, Φ 35 can be customized)	
Cyclotron	Range (rpm / min)	0 (to do static culture) ; 20 ~ 300		0 (to do static culture); 20 ~ 300
	Resolution (rpm)	±1		±1
CO <sub>2</sub>	Range	0 ~ 20.0%		0 ~ 20.0%
	Fluctuation	± 0.1% (concentration: 5%)		± 0.1% (concentration: 5%)
Temperature	Range (°C)	4 ~ 65 (20°C)		4 ~ 65 (20°C)
	Fluctuation (°C)	≤0.1 (37°C)		≤0.1 (37°C)
	Resolution (°C)	± 0.1		± 0.1
	Uniformity (°C)	± 0.6 (37°C)		± 0.6 (37°C)
Dimension (W*D*H)	External (mm)	1420*820*630 (per unit)	1120*790*620 (per unit)	890*760*650 (per unit)
	Platform (mm)	905*505	600*450	475*465
Flask Clamp	Max. capacity	250ml*53 or 500ml*35 or 1000ml*20 or 2000ml*11 (per unit)	250ml*32 or 500ml*20 or 1000ml*12 or 2000ml*7 (per unit)	250ml*25 or 500ml*16 or 1000ml*9 or 2000ml*5 (per unit)
	Standard capacity	500ml*33	500ml*20	500ml*16
Sticky Mat (Optional)	Max. capacity	250ml*46 or 500ml*33 or 1000ml*18 or 2000ml*11 (per unit)	250ml*30 or 500ml*18 or 1000ml*12 or 2000ml*6 (per unit)	250ml*25 or 500ml*16 or 1000ml*9 or 2000ml*5 (per unit)
Controller	PID microcomputer		PID microcomputer	
Control Mode	Fixed value mode, static mode, multi-segment program control mode		Fixed value mode, static mode, multi-segment program control mode	
Display	7 inches touch screen		7 inches touch screen	
Timer (h)	0 ~ 999.9 (or continuous operation)		0 ~ 999.9 (or continuous operation)	
Refrigerant	R134a (CFC free)		R134a (CFC free)	
Defrosting Mode	Automatic		Automatic	
Safety Device	Self-diagnosis, visible & audible over temperature, abnormal status alarm		Self-diagnosis, visible & audible over temperature, abnormal status alarm	
Electricity	Voltage / Frequency (V / Hz)	AC 220 / 110V, 50 / 60Hz		AC 220 / 110V, 50 / 60Hz
	Consumption (W)	1800		1200
N.W. / G.W. (kg)	260 / 296		200 / 250	170 / 200
Package Dimension(W*D*H)(mm)	1580*990*830 (per unit)		1275*950*810 (per unit)	1020*930*850 (per unit)
Optional	Various flask clamps, universal spring tray.		Various flask clamps, universal spring tray.	

# Shaking Incubator

ICB-S50Y ICB-S70Y ICB-S70LY



- Capacity: 50L, 70L
- Shaking Speed: 20-300rpm
- Shaking Amplitude:  $\Phi$ 20mm (standard)
- Temperature Range: RT+5~65°C, 4°C~65°C
- With UV sterilization and power failure recovery function



## Application

The shaking incubators are widely used for the culture, fermentation, hybridization, and biochemical reactions of microorganisms, viruses, and bacteria, as well as for cell and tissue research. They provide essential support for enzyme engineering and other applications with specific requirements for temperature, shaking frequency, and amplitude.

## Features



With power failure recovery function.



Precise speed control: High-speed accuracy with a soft-start design; Automatic locking when the speed is out of control.



With UV sterilization function.



The bottom of the working chamber features a waterproof design, ensuring that liquid spills will not affect the normal operation of the equipment.



LCD display for easy parameter setting and clear monitoring.



The start-up speed is adjustable.



Optional RS485 interface, printer, USB interface

## Specifications

Model	ICB-S50Y	ICB-S70Y	ICB-S70LY
Capacity	50L	70L	70L
Circulation Mode	Forced convection		
Control Mode	PID Microcomputer		
Shaking Speed	20-300rpm		
Shaking Accuracy	±1rpm		
Shaking Amplitude	Φ20mm (standard)		
Temperature Range	RT+5~65°C	RT+5~65°C	4°C~65°C
Temperature Resolution	0.1°C		
Temperature Uniformity	±0.5°C (37°C)		
Program Control	Optional		Standard
Max. Capacity (Stainless Steel Clamps)	250ml*12 or 500ml*8 or 1000ml*6	250ml*15 or 500ml*12 or 1000ml*6	
Platform Size (W*D)	300*410mm	340*490mm	
Internal Dimensions (W*D*H)	475*350*305mm	535*390*330mm	
External Dimensions (W*D*H)	520*670*525mm	580*720*550mm	585*860*550mm
Electricity	220V/50Hz		
Operating Environment	<25°C (ambient temperature)		