



Incubator Shaker

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Incubator Shaker

Incubator shaker from Lab1st offers an optimal environment for your cell and microbial culturing needs.

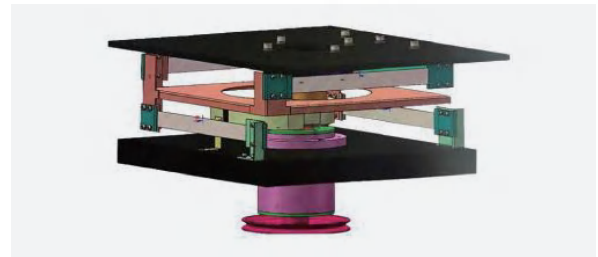
We provides eight kinds of shaking incubator: stackable incubator shaker, desk-top incubator shaker, CO2 incubator shaker and so on, covering a wide range of applications in life science and microbiology.

With its compact footprint and sophisticated technology, our shaking incubator will definitely be your helpful cultivation tools in your labs.

Features >>>

Single-axis Balanced Drive

Compared to three-axis or five-axis drive, the single-axis balanced drive would largely reduce mechanical friction, noise, and deviation. The fully optimized oscillation balance system and counterweight device ensure gentle shaking and long life span.

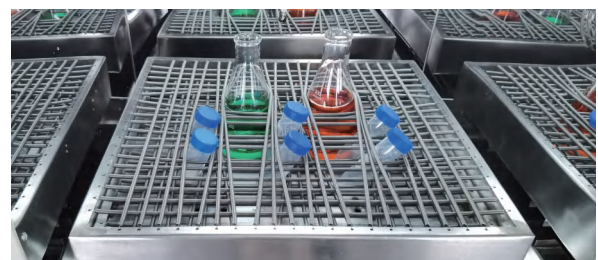


Safety Guarantee

Lab1st shaker incubator is CE and ISO certified. It is built with overspeed alarm, sensor fault detection, over temperature protector and electric leakage protection to better protect personnel, samples and the machine itself.

Versatile and User-friendly

With eight different types available, there's a perfect fit for every requirement. The P.I.D control mode ensures precise and accurate control over temperature, CO2 and humidity.



Meticulous Manufacturing Technique

The inner chamber is made of mirror SUS304 and the arc corner design makes it easy to clean. Servo motor and frequency conversion refrigeration technology are used to bring smooth and precise operation.

Product Type >>>



Stackable Incubator Shaker

The ISS series stackable incubator shaker (stack up to 2 or 3 units), boasting a compact footprint, defies expectations with its generous capacity.



Floor-stand Incubator Shaker

The ISF series floor-stand incubator shaker provides large capacity, enhanced stability, and advanced environmental control for high-throughput and large-scale laboratory applications.



Horizontal Incubator Shaker

The ISH series horizontal incubator shaker features uniform and efficient mixing across all samples.



High Speed Incubator Shaker

The ISHS series high speed incubator shaker serves as an efficient tool for high-throughput microplate culture, small cell culture, high-throughput screening.



Benchtop Incubator Shaker

With its ergonomic and compact design, the ISB series benchtop incubator shaker is a perfect choice for small-scale laboratory applications.



Benchtop Incubator Shaker (Water Bath)

The water bath benchtop incubator shaker offers a wide temperature range from ambient temperature to 100°C. It can shake the samples steadily while keeping a constant temperature.



CO2 Incubator Shaker

The ISC CO2 incubator shaker, with an accurate control over shaking, temperature, humidity and CO2 supply, creating an optimal environment for cell culture.



CO2 Incubator

Lab1st stackable CO2 incubator mimics the natural environment for growing cells, providing precise control over humidity, CO2 supply and humidity.

Benchtop Water Bath Incubator Shaker

ISBW Series

The water bath benchtop incubator shaker is a reliable tool that offers a wide temperature range from room temperature to 100°C. It can shake samples steadily while maintaining a constant temperature. Whether you're working on delicate biochemical assays or robust microbial cultures, this instrument ensures consistent results, making it an essential asset for scientific research.

Features >>>

- Made of 316L stainless steel, anti-corrosion and easy to clean
- Single-axis balanced drive, safe and stable operation
- Nodular cast iron made core components, stable and durable
- Safety guarantee: visually and auditory alarm; overspeed alarm; sensor fault detection; over temperature protector; electric leakage protection.



ISBW46



ISBW82

Parameter >>>

Model	ISBW46	ISBW82	ISBW170
Specification			
Parameter Control	Basic LCD-display [P.I.D Microprocessor]		
Operation Menu, MMI [Language]	CH, EN		
Maximum Expansion	Non-Stackable		
Air Circulation	—		
Max. Vessel Volume	1000ml		
External Dimensions[mm]	760×388×508mm [Single Unit]	942×405×580mm [Single Unit]	1240×830×700mm [Single Unit]
[W×H×D] ["]	29.92×15.28×20.00" [Single Unit]	37.09×15.94×22.83" [Single Unit]	48.82×32.68×27.56" [Single Unit]
Weight [Approx.]	56Kg	68Kg	133Kg
Incubation Chamber			
Material	Mirror SUS316		
Inner Dimension[mm]	510×240×380mm	700×260×455mm	940×275×660mm
[W×H×D] ["]	20.08×9.45×14.96"	27.56×10.24×17.91"	37.01×10.83×25.98"
Tray Size[mm]	430×320mm	590×390mm	780×590mm
[W×D] ["]	16.93×12.60"	23.23×15.35"	30.71×23.23"
Tray QTY[pcs]	1		
Tray Max. Capacity	250ml×14, 500ml×9, 1000ml×6	250ml×28, 500ml×16, 1000ml×9	250ml×50, 500ml×30, 1000ml×21
Lighting UV Lamp	— —		
Temperature			
Temp. Range [Ambient Temp. 5-35°C]	Incubated: 5°C above ambient to 100°C Refrigerated: —		
Temp. Accuracy	0.1°C		
Temp. Uniformity	≤±1°C [37°C]		
Heating / Cooling Power	1500W —	2000W —	4000W —
Temp. Sensor	PT100		
Shaking Control			
Shaking Motion	Orbital		
Shaking Throw [Orbital]	25mm		
Shaking Throw [Linear/Reciprocating]	—		
Shaking Frequency [25mm Shaking Throw]	20-200rpm [±1rpm]		
Stirring Power	80W		
Ergonomics			
Door Opening	Top opening hood		
Platform Type	Fixed		
Electrical,Packing and shipping			
Total Power	1900W	2300W	4500W
Power Source	AC200-240V, 1Phase, 50-60HZ AC108-120V, 1Phase, 60HZ [Option]		
Packing Dimensions[mm]	910×550×650mm	1100×570×710mm	1370×1020×850mm
[W×H×D] ["]	35.83×21.65×25.59"	43.31×22.44×27.95"	53.94×40.16×33.46"
Packing Weight	79Kg	80Kg	160Kg

Parameter >>>

Model	ISBW46	ISBW82	ISBW170
Standard Function			
Programming Steps Storable Programs	● [8 1]	● [8 1]	● [8 1]
Power Outage: Restore After Power On	●	●	●
Timer [0-9999h/Unlimited]	●	●	●
Temperature and Speed Calibration	●	●	●
Safety Protection			
Visually Alarm Auditory Alarm	●	●	●
Overspeed Alarm	●	●	●
Sensor Fault Detection	●	●	●
Over Temperature Protector	●	●	●
Electric Leakage Protection	●	●	●
Options			
LCD Color Touch Screen	○	○	○
Embedded Microprinter	○	○	○
RS485Communication Interface [Modbus RTU Communication Protocols]	○	○	○
Remote Upper Computer	○	○	○
3Q Document	○	○	○
Remote Upper Computer	○ [upgrade to touch screen]	○ [upgrade to touch screen]	○ [upgrade to touch screen]
Third Level Authority, Operation Record	○ [upgrade to touch screen]	○ [upgrade to touch screen]	○ [upgrade to touch screen]
Historical Records, Real-time Curves [USB Export]	○ [upgrade to touch screen]	○ [upgrade to touch screen]	○ [upgrade to touch screen]
Programming Steps Storable Programs [30 5]	○ [upgrade to touch screen]	○ [upgrade to touch screen]	○ [upgrade to touch screen]

● = Standard ○ = Optional — = N/A