



Incubator Shaker

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Incubator Shaker

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

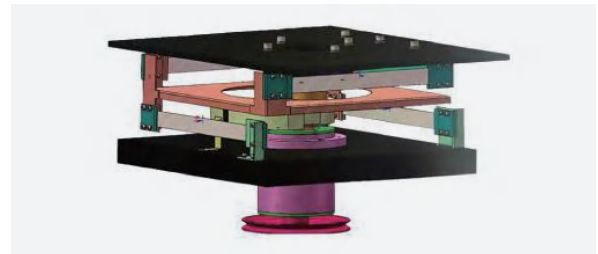
We provides eight kinds of shaking incubator: stackable incubator shaker, desk-top incubator shaker, CO2 incubator shaker and so on, covering a wide range of applications in life science and microbiology.

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.

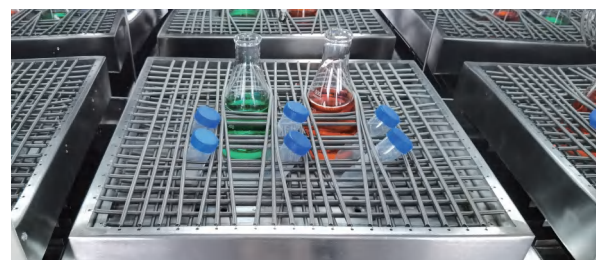


Safety Guarantee

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 Incubator Shaker

ISB Series

For labs that don't need to culture samples with a large volume, our desk-top shaking incubator might be the shaker you are looking for. We provide three kinds of benchtop incubator shaker, featuring small footprint and optimum performance.

Features >>>

- Excellent temperature accuracy and temperature uniformity: $\pm 0.1^{\circ}\text{C}$; $\leq +1^{\circ}\text{C}$ (at 37°C)
- Swift from orbital and linear shaking mode freely
- 0-50mm steplessly adjustable sha
- Mirror 304SUS inner chamber, easy to clean
- Single-axis balanced drive, safe and stable operation
- Advanced inverter refrigeration technology, saving 30% energy



ISB83/83R



ISB66



ISB22

Parameter >>>

Model	ISB22	ISB65	ISB83/83R
Specification			
Parameter Control	Basic LCD-display [P.I.D Microprocessor]		
Operation Menu, MMI [Language]	CH, EN		
Maximum Expansion	Non-Stackable		
Air Circulation	Forced air circulation		
Max. Vessel Volume	250ml	1000ml	2000ml
External Dimensions[mm]	460×450×410mm [Single Unit]	618×585×590mm [Single Unit]	778×600×685mm [Single Unit]
[W×H×D]["]	18.11×17.72×16.14" [Single Unit]	24.33×23.03×23.23" [Single Unit]	30.63×23.62×26.97" [Single Unit]
Weight [Approx.]	54Kg	65Kg	83Kg
Incubation Chamber			
Material	Mirror SUS304		
Inner Dimension[mm]	330×215×305mm	410×350×450mm	490×360×470mm
[W×H×D]["]	13.0×8.46×12.01"	16.14×13.78×17.72"	19.29×14.17×18.50"
Tray Size[mm]	260×260mm	400×370mm	420×400mm
[W×D]["]	10.24×10.24"	15.75×14.57"	16.54×15.75"
Tray QTY[pcs]	1		
Tray Max. Capacity	50ml×9, 100ml×9, 250ml×5	50ml×20, 100ml×20, 250ml×12, 500ml×9, 1000ml×6	50ml×36, 100ml×25, 250ml×16, 500ml×9, 1000ml×9, 2000ml×5
Lighting UV Lamp	— —		
Temperature			
Temp. Range [Ambient Temp. 5-35°C]	Incubated: 5°C above ambient to 60°C Refrigerated: —		Incubated: 5°C above ambient to 60°C Refrigerated: 18°C below ambient [min. 4°C] to 60°C
Temp. Accuracy	0.1°C		
Temp. Uniformity	±1°C [37°C]		
Heating / Cooling Power	150W —	400W —	400W 130W
Temp. Sensor	PT100		
Shaking Control			
Shaking Motion	Orbital	Orbital Linear [Option]	
Shaking Throw [Orbital]	25mm	25mm 0-50mm stepless adjustable [Option]	
Shaking Throw [Linear/Reciprocating]	—	25mm	
Shaking Frequency [25mm Shaking Throw]	30-400rpm [±1rpm]	30-600rpm [±1rpm], Orbital 30-400rpm [±1rpm], Linear	
Stirring Power	80W		
Ergonomics			
Door Opening	Top opening hood		
Platform Type	Fixed		
Electrical,Packing and shipping			
Total Power	269W	520W	706W
Power Source	AC200-240V, 1Phase, 50-60HZ AC108-120V, 1Phase, 60HZ [Option]		
Packing Dimensions[mm]	570×600×550mm	740×760×720mm	900×780×820mm
[W×H×D]["]	22.44×23.62×21.65"	29.13×29.92×28.35"	35.43×30.71×32.28"
Packing Weight	59Kg	93Kg	122Kg

Parameter >>>

Model	ISB22	ISB65	ISB83/83R
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	●	●	●
Compressor High Pressure Protection	●	●	●
Options			
LCD Color Touch Screen	○	○	○
Embedded Microprinter	○	○	○
Humidity Control	○	○	○
White Light [Tunable Intensity to Simulate Day/Night-cycles]	○	○	○
Red and Blue Light	○	○	○
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