



STACKABLE INCUBATED AND REFRIGERATED SHAKERS LIRS-A1 SERIES

Stackable Incubated and Refrigerated Shakers LIRS-A1 Series

Stackable Incubated and Refrigerated Shaker LIRS-A10

Stackable Incubated and Refrigerated Shaker LIRS-A10 is a triple eccentric shaft balance drive comprised microcomputer-controlled single stack designed unit, offers orbital movement with 40 to 300 rpm of speed range and 4 to 65°C of temperature range. With built-in heating circulation system, UV sterilization and environmental temperature monitoring system, it has timer and continuous operation mode with internal power-off protection function. Fluorine-free design with SS304 working chamber, aluminum made shaking platform, and large observation window, features top and bottom door-opening with withdrawable shaking platform. Incorporated with 7-inch color touch screen and low heat rejection brushless DC motor, it is provided with switchable door, speed control circuit, and independent temperature limit alarm system. With automatic fan circulation and gentle air flow, it also supports USB data transfer port (U-disk) and optional RS485 port.

Stackable Incubated and Refrigerated Shaker LIRS-A11

Stackable Incubated and Refrigerated Shaker LIRS-A11 is a triple eccentric shaft balance drive comprised microcomputer-controlled 2-stack designed unit, offers orbital movement with 40 to 300 rpm of speed range and 4 to 65°C of temperature range. With built-in heating circulation system, UV sterilization and environmental temperature monitoring system, it has timer and continuous operation mode with internal power-off protection function. Fluorine-free design with SS304 working chamber, aluminum made shaking platform, and large observation window, features top and bottom door-opening with withdrawable shaking platform. Incorporated with 7-inch color touch screen and low heat rejection brushless DC motor, it is provided with switchable door, speed control circuit, and independent temperature limit alarm system. With automatic fan circulation and gentle air flow, it also supports USB data transfer port (U-disk) and optional RS485 port.

Stackable Incubated and Refrigerated Shaker LIRS-A12

Stackable Incubated and Refrigerated Shaker LIRS-A12 is a triple eccentric shaft balance drive comprised microcomputer-controlled 3-stack design unit, offers orbital movement with 40 to 300 rpm of speed range and 4 to 65°C of temperature range. With built-in heating circulation system, UV sterilization and environmental temperature monitoring system, it has timer and

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continuous operation mode with internal power-off protection function. Fluorine-free design with SS304 working chamber, aluminum made shaking platform, and large observation window, features top and bottom door-opening with withdrawable shaking platform. Incorporated with 7-inch color touch screen and low heat rejection brushless DC motor, it is provided with switchable door, speed control circuit, and independent temperature limit alarm system. With automatic fan circulation and gentle air flow, it also supports USB data transfer port (U-disk) and optional RS485 port.

Features

- ❑ Triple eccentric shaft balance drive comprised microcomputer-controlled stackable units
- ❑ Orbital shaking movement with 40 to 300 rpm of shaking speed range and 4 to 65°C of temperature range
- ❑ Built-in heating circulation system and UV sterilization
- ❑ Environmental temperature monitoring system, prevent temperature overlimit
- ❑ Timer and continuous operation mode with internal power-off protection function
- ❑ Fluorine-free design with SS304 working chamber, aluminum made shaking platform
- ❑ Large observation window, and top and bottom door-opening
- ❑ Withdrawable shaking platform, for convenient operation
- ❑ 7-inch color touch screen with real-time display of running parameters
- ❑ Low heat rejection brushless DC motor, great torque with low-maintenance
- ❑ Switchable door, provide auto-stop heating and shaker on door opening
- ❑ Speed control circuit, ensures smooth start and prevent overfills
- ❑ Independent temperature limit alarm system, ensures safe operation
- ❑ Automatic fan circulation and gentle air flow, prevent sample evaporation
- ❑ Supports USB data transfer port (U-disk) and optional RS485 port

Application

Stackable Incubated and Refrigerated Shaker is ideally used for static and dynamic culture of microbial cells , bacteria etc. across cell culture, fermentation, hybridization, biochemistry, cytology, microbiology, biotechnology etc.

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Specifications

Model	LIRS-A10	LIRS-A11	LIRS-A12
Design	Single stack	2-stack	3-stack
Shaking mode	Orbital		
Shaking orbit (Amplitude)	26 mm		
Shaking speed range	40 to 300 rpm		
Temperature range	4 to 65°C		
Temperature uniformity	±0.3 (test point @ 37°C; Ambient @ 25°C)		
Display resolution	0.1°C		
Time range	0 to 5999 min		
Heating method	Built-in heat circulation system		
Sterilization	UV sterilization		
Operation mode	Timer and continuous		
Platform dimension (L×B)	500×460 mm 1 pc	500×460 mm 2 pcs	500×460 mm 3 pcs
Display	7-inch color touch screen		
Controller	Microcomputer		
Interface	USB		
Maximum shaking weight	10 kg		
Motor	Low heat rejection brushless DC motor		
Balance drive	Triple eccentric shaft balance drive		
Working chamber material	Grade 304 Stainless steel		
Platform material	High-quality Aluminum		
Power supply	220 V 50 Hz		
Power	950 W		
Dimension (W×D×H)	1000×920×670 mm	1000×920×1270 mm	1000×920×1870 mm

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Monolayer Platform Configuration for Flask Clamp

Items	Quantity
250 ml flask	27 pcs
500 ml flask	16 pcs
1000 ml flask	9 pcs
2000 ml flask	5 pcs
Rubber mat (140×140 mm)	9 pcs
Universal platform (350×350 mm)	1 pc