IRIS ANALYTICAL



SHAKERS & INCUBATOR SHAKERS

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Iris offers a large selection of shakers designed to stir liquid samples of various different sizes at any controlled speed. Iris incubator shakers are very robust and durable with all stainless steel interiors. Highly efficient insulation guarantees homogenous temperature dispersion as well as reproducible cultivation results.

Additional features for all of these units include intuitive controls with a digital display, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. Our laboratory shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.

Iris Shaking Incubators stand for high quality and cutting edge technology. Whether working with a small bench top incubator shaker or the large incubator shaker, the quality remains the same. Controls are user friendly and can be read at a glance. Each parameter has its own controller employing the latest technology and offering continuous monitoring.

Iris Incubator shakers are often used for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.

Incubator Shakers LS-1000 Series

LS-1000 Series Incubator Shakers offer are often used for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.



Iris incubator shakers are suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint and also many features allowing straightforward, safe handling of product.

- Inside material is SUS304 and outside body is powder painting
- Install light to view inside clearly
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Transparent glass observation window.
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat and over low protector, built-in circulating fan for temperature stability.

ModelNo.	**LS-1150**		**LS-1150R**		**LS-1150D**		**LS-1150DR**	
Platfrom	Single				Double			
Temperature Range (?)	Ambient+5C~70?		0?~70?		Ambient+5C~70?		0?~70?	
Temperature Accuracy (?)	±0.1?							
Temperature Control	PID temperature control							
Temperature Display	LED digital display							
Shaking Speed (rpm)	20~300 r.p.m				20~150 r.p.m			
Shaking Width (mm)	25mm							
Timer	999 h / 999 min / 999 sec							
Heater	900 W							
Volume (L)	150 L				150 L			
Shelf	1(Adjustable)				N/A			
Refrigerator	N/A		1/4 HP		N/A		1/4 HP	
Shaking Plate	480 x 380 mm							
Inside Dimension (WxDxH)	600 x 500 x 500 mm							
Outside Dimension (WxDxH)	680 x 690 x 860 mm							
Net Weight (kg)	85kg		98kg		90kg		100kg	
Gross Weight (kg)								
Shipping Dimensions (mm)								
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54030051	54030052	54030101	54030102	54030151	54030152	54030201	54030202

Incubator Shaker IS-3000 Series

Applicable for fermentation processes with high demands on the precision of the shaking frequency, bacteria incubation, hybridization, life science, pharmacy, medical science, food industry, chemistry, biology, and other laboratory environments.



- Orbital and reciprocate shaking functions
- Setting of the orbital shaking method (clock-wise or counter clock-wise), stopping behaviour, and operation time
- Intelligent control system, which maintains the operation speed and adjusts to load changes
- PID controller for temperature stability and safety protection
- Very good heating characteristics
- Ecologically friendly
- Easy to clean
- Shaking throw and speed adjustable
- Circulation process automatically stops upon opening the door
- In case of temperature overshooting an alarm sound is triggered and heating is cut off
- For the case of an unexpected power breakdown the incubator offers two working options: Automatic re- operation and automatic stop
- Broad range of available accessories

Model	IS-3300		IS-3300R		IS-3600		IS-3600R	
Volume (L)	53		53		83		83	
Temperature Range (?)	Ambient +5 ~ 60°C		15 - 60°C		Ambient +5 ~ 60°C		15 - 60°C	
Temperature Accuracy (?)	±0.1 (38?)		±0.1 (38?)		±0.1 (38?)		±0.1 (38?)	
Temperature Stability (?)	±1.0 (38?)		±1.0 (38?)		±1.0 (38?)		±1.0 (38?)	
Temperature Controller	Touch Control; Digital Display with PID automatic regulation		Touch Control; Digital Display with PID automatic regulation		Touch Control; Digital Display with PID automatic regulation		Touch Control; Digital Display with PID automatic regulation	
Temperature Heater	Heating Plate, 600W		Heating Plate, 600W		Heating Plate, 600W		Heating Plate, 600W	
Temperature Timer	Start / Stop / Duration setting; 10sec ~999hr 59min 59sec		Start / Stop / Duration setting; 10sec ~999hr 59min 59sec		Start / Stop / Duration setting; 10sec ~999hr 59min 59sec		Start / Stop / Duration setting; 10sec ~999hr 59min 59sec	
Shaker Controller	PID automatic regulation		PID automatic regulation		PID automatic regulation		PID automatic regulation	
Shaker Power Unit	Brushless motor		Brushless motor		Brushless motor		Brushless motor	
Shaker Methods	Clockwise, Counter-clockwise, forth-back, interrupted,		Clockwise, Counter-clockwise, forth-back, interrupted,		Clockwise, Counter-clockwise, forth-back, interrupted,		Clockwise, Counter-clockwise, forth-back, interrupted,	
Shaker Shaking Throw (mm)	20, 30 (standard), 40		20, 30 (standard), 40		20, 30 (standard), 40		20, 30 (standard), 40	
Shaker Speed (rpm)	10?300		10?300		10?300		10?300	
Shaker Stability (rpm)	±1 (150rpm)		±1 (150rpm)		±1 (150rpm)		±1 (150rpm)	
Platform Dimensions (W × D in mm)	330 x 330		330 x 330		410 x 410		410 x 410	
Inside Dimensions (W × D × H in mm)	410 x 410 x 320		410 x 410 x 320		510 x 510 x 320		510 x 510 x 320	
Outside Dimensions (W × D × H in mm)	440 x 740 x 625		440 x 740 x 625		540 x 850 x 625		540 x 850 x 625	
Maximum Load (kg)	10		10		15		15	
Net Weight (kg)	74		85		91		102	
Gross Weight (kg)								
Shipping Weight (kg)								
Shipping Dimensions (mm)								
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54025051	54025052	54025101	54025102	54025151	54025152	54025201	54025202

Dual Shaking Incubator LS-2000

Dual Shaking Incubator LS-2000 features include intuitive controls with a digital display, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. Our laboratory shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.



The LS-2000 incubator shakers are suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint.

- Inside material is SUS304 and outside body is powder painting
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Internal light provide clear chamber visibility
- Tempered Safety Glass Window for operation view
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Touch Screen panel
- With safety switch to stop shaking when opening door
- Each machine operates independently if required .
- Overheat and over low protector, built-in circulating fan for temperature stability.

Model	LS-2570D		LS-2570RD		LS-2575D		LS-2575RD	
Platform	Single				Double			
Temp. range :	Ambient +5? to 70?		0? to 70?		Ambient +5? to 70?		0? to 70?	
Temp. Accuracy	±0.1?							
Temp Control	PID							
Temp.Display	LED 2-screen digital display actual and setting temperature							
Shaker speed	20 to250 r.p.m.				20 to150 r.p.m.			
Shaking Width	25mm							
Timer	999h / 999m / 999s							
Heater	900W each chamber							
Refrigerator	N/A		1/4hp		N/A		1/4hp	
Volume(liters)	175*2							
Shaking Plate Size	640x440mm							
Inside Dimensions(WxDxH)	700x500x500 mm							
Outside Dimensins(WxDxH)	780x690x1720 mm							
SHELF (adjustable)	1				N/A			
Weight(Approx.)	160kg		170kg		170kg		180kg	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54035051	54035052	54035101	54035102	54035151	54035152	54035201	54035202

Double Door Shaking Incubator DS-1000 Series

Iris DS-1000 Double Door Incubator Shakers feature a rectangular platform that moves in a side-to-side motion within an enclosed chamber providing a controlled environment to agitate samples, which are held down by clamps or a non-slip, rubber mat.



The DS-1000 series incubator shakers are very robust and durable with all stainless steel interiors. Highly efficient insulation guarantees homogenous temperature dispersion as well as reproducible cultivation results.

- Inside material is SUS304 and outside body is powder painting
- The compressor will be delayed to start working if power cut timed defrosting, using environmental cold media R134a
- Internal light provide clear chamber visibility
- Tempered Safety Glass Window for operation view
- With safety switch to stop shaking when opening door
- Touch Screen panel
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat and over low protector, built-in circulating fan for temperature stability.
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty

Model	DS-1300D		DS-1300RD	
Temperature Range (?)	Ambient+5?~70?		0?~70?	
Temperature Accuracy (?)	±0.1?			
Temperature Control	PID			
Temperature Display	LED			
Shaking Speed (rpm)	20~250 r.p.m			
Shaking Width (mm)	50 mm			
Timer	999 h / 999 min / 999 sec			
Heater	1200 W			
Illumination	Fluorescent lamp 20W			
Refrigerator	N/A		1/3 HP	
Volume	300 L			
Shaking Plate Size (mm)	900 x 500 mm			
Inside Dimension (WxDxH) (mm)	1000 x 600 x 500 mm			
Outside Dimension (WxDxH) (mm)	1380 x 690 x 890 mm			
Shelf	1(Adjustable)			
Weight (kg)	200kg		280kg	
Gross Weight (kg)				
Shipping Weight (kg)				
Shipping Dimensions (WxDxH) mm				
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54040051	54040052	54040101	54040102

Chest Type Shaking Incubator CS-1000 Series

Iris CS-1000 Series Chest Type Incubator Shakers include intuitive controls with a digital display, a robust construction in a compact, space-saving design and smooth running conditions with variable speeds. Our laboratory shakers allow for safe, efficient and easy-to-use operation while reproducing accurate, controlled speeds with every use.



The CS-1000 incubator shakers are very robust and durable with all stainless steel interiors. Highly efficient insulation guarantees homogenous temperature dispersion as well as reproducible cultivation results. CS-1000 series incubator shakers are suitable for applications in modern laboratories, research centres and production facilities.

- Inside material is SUS304 and outside body is powder painting
- Screen-touch panel
- Install light to view inside clearly
- The compressor will be delayed to start working if power cut and with timer for defrost. Using environmental protection cold-media R134a.
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Transparent glass observation window.
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat and over low protector, built-in circulating fan for temperature stability.

Model	CS-1200		CS-1200R		CS-1400		CS-1400R	
Range	Ambient+5?~70?		0?~70?		Ambient+5?~70?		0?~70?	
Accuracy	±0.1?							
Control	PID temperature control							
Display	LED digital display							
Shaking Speed	20~250 r.p.m							
Shaking Width	50 mm							
Timer	999 h / 999 min / 999 sec							
Heater	1200 W							
Illumination	Fluorescent lamp 20W							
Refrigerator	N/A		1/4 HP		N/A		1/3 HP	
Volume	205 L		205 L		381 L		381 L	
Shaking Plate	600 x 480 mm				960 x 600 mm			
Inside Dimension (WxDxH) mm	680 x 560 x 540 mm				1040 x 680 x 540 mm			
Outside Dimension (WxDxH) mm	1010 x 640 x 870 mm				1370 x 760 x 870 mm			
Net Weight	160kg		200kg		270kg		300kg	
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54045051	54045052	54045101	54045102	54045151	54045152	54045201	54045202

Large Capacity Upright Shaking Incubator LS-3000 Series

Iris LS-3000 Large Capacity Upright Shaking Incubator stands for high quality and cutting edge technology. Whether working with a small bench top incubator shaker or the large incubator shaker, the quality remains the same. Controls are user friendly and can be read at a glance. Each parameter has its own controller employing the latest technology and offering continuous monitoring.



The LS-3000 Series Incubator shakers are often used for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.

- Inside material is SUS304 and outside body is powder painting
- Install light to view inside clearly
- The compressor will be delayed to start working if power cut and with timer for defrost, using environmental protection cold-media R134a.
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Tempered Safety Glass Window for operation view
- Brushless AC motor for long durability and stable performance
- Overheat and over low protector, built-in circulating fan for temperature stability.

Model	LS-3500		LS-3500R		LS-3500D		LS-3500RD		LS-3800		LS-3800D		LS-3800R		LS-3800RD	
Platform	Single				Double				Single				Double			
Platform	Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?		Ambient +5?~70?		0?~70?	
Platform	Single				Double				Single				Double			
Temperature Range (?)	(D) Ambient + 5?~70? / (RD) 0?~70?															
Temperature Accuracy	±0.1?															
Temperature Control	Micro-computer PID temperature controller															
Temperature Display	LED 2-screen digital display actual and setting temperature															
Shaking Speed	20~250 r.p.m				20~150 r.p.m				20~250 r.p.m				20~150 r.p.m			
Shaking Width	50 mm															
Timer	999 h / 999 min / 999 sec															
Heater	1600 W															
Illumination	Fluorescent lamp 20W															
SHELF (Adjustable)	2				1				2				1			
Volume (L)	560 L				560 L				834L				834L			
Refrigerator	N/A				1/3 HP				N/A				1/2 HP			
Shaking Plate Size mm	740 x 480 mm								960 x 600 mm							
Inside Dimension (WxDxH) mm	860 x 600 x 1100 mm								1100 x 690 x 1100 mm							
Outside Dimension (WxDxH)	940 x 800 x 1840 mm								1190 x 920 x 1840 mm							
Weight (kg)	280kg								300kg							
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54050051	54050052	54050101	54050102	54050151	54050152	54050201	54050202	54050251	54050252	54050301	54050302	54050351	54050352	54050401	54050402

Benchtop Shaking Incubator TS-1000 Series

TS-1000 Series Benchtop Shaking Incubator are suitable for cell culturing, cell aeration, and solubility studies. In addition to offering stable temperature conditions, the Iris incubator shakers use an orbital agitation at variable speeds to affect the growth of cell cultures.



Iris incubator shakers are suitable for applications in modern laboratories, research centres and production facilities. It offers a large shaking capacity with a small footprint and also many features allowing straightforward, safe handling of product.

- Inside material is SUS304 and outside body is powder painting
- Install light to view inside clearly
- With safety switch to stop shaking when opening door
- Three-point bearing transmission is adopted suitable for heavy loads and continuous duty.
- Transparent glass observation window.
- Uses brushless AC motor for long durability and stable performance of the shaking system.
- Overheat protector, built-in circulating fan for temperature stability.

Model	TS-1400		TS-1450		TS-1420	
Type	Flip-updoor			Upright		
Temperature Range (?)	Ambient+5?~70?					
Shaking Speed (rpm)	20~250 r.p.m					
Temperature Accuracy	±0.1?					
Temperature Control	PID					
Display	LED					
Shaking Width	25mm					
Timer	999 h / 999 min / 999 sec					
Shaking Plate Size	400 x 300 mm		450 x 450 mm		400 x 300 mm	
Volume	66 L		102 L		65 L	
Inside Dimension (WxDxH) mm	455 x 390 x 380 mm		500 x 540 x 380 mm		450 x 390 x 370 mm	
Outside Dimension (WxDxH) mm	460 x 510 x 540 mm		510 x 650 x 540 mm		520 x 550 x 610 mm	
Net Weight (kg)	30kg		40kg		50kg	
Gross Weight (kg)						
Shipping Weight (kg)						
Shipping Dimensions (mm)						
Electrical Requirements	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Catalogue No.	54020051	54020052	54020101	54020102	54020151	54020152

Flask Capacity:

Clamps	50ml	125ml	250ml	500ml	1000ml	2000CC
LM-400D	35	20	12	6	4	2
LM-420D	35	20	12	6	4	2
LM-450D	64	36	25	16	9	5



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