



ORBITAL SHAKERS

Perfect for culturing Microbes, Washing Blots, and General Mixing, Suitable for placement into Standard incubators



Mini Orbital Shaker
OS-03UA



Microplate Shaker
OS-07UA



Multipurpose Shaker
OS-06UA



Large Capacity Orbital Shaker
SYC-2102A

PRODUCT FEATURES:

- Ergonomic design with speed control and timer
- Automatically recovers from power outages
- Wide range of accessories available
- Digital control and LED/LCD display
- Designed and built for continuous use
- Gentle speed up and slow down
- Safe for use inside standard incubators
- No vibration or heat output
- Built for heavy workloads



Specifications

Model	OS-03UA	OS-06UA	OS-07UA	SYC-2102A
Product Name	Mini Orbital Shaker	Multi-Purpose Shaker	Microplate Shaker	Large Capacity Orbital Shaker
Speed	30~300 RPM	50~450 RPM	150~1200 RPM	30~300 RPM
Speed Accuracy	± 2%	± 1 RPM (@ ≤ 100 RPM) ± 1% (@ > 100 RPM)	± 1% (@ ≤ 299 RPM) ± 2% (@ > 299 RPM)	± 2%
Orbital Diameter	Ø20mm (0.79 in)	Ø10mm (0.39 in)	Ø2.5mm (0.1 in)	Ø26mm (1.02 in)
Timer	0~99h 59min			
Platform Dimensions	307 × 267 mm (12.1 × 10.5 in)	310 × 284 mm (12.2 × 11.2 in)	275 × 235 mm (10.8 × 9.3 in)	400 × 400 mm (15.7 × 15.7 in)
Capacity	15×50mL / 12×100mL / 12×150mL or 200mL / 12×250mL / 4×500mL / 4×1000mL flasks / 2×Small Tube Racks	20×50mL / 8×100mL / 8×150mL or 200mL / 8×250mL / 6×500mL / 4×1000mL / 2×2000mL / 1×5000mL flasks / 2× Tube Racks	4×Microplates / 6×Microplates (with OSA15 Large Platform Assembly) / 2×Tube Racks	36×50mL / 24×100mL / 17×150mL or 200mL / 17×250mL / 12×500mL / 6×1000mL / 4×2000mL / 2×5000mL / 3×Tube Racks
Max Load	2.5 kg (5.5 lb)	4.5 kg (9.9 lb)	4 kg (8.8 lb)	10 kg (22 lb)
Display	LCD		LED	
Accessories Included in Standard Packaging	OSA13 (Aluminum Platform)	OSA21 (Universal Aluminum Platform)	Standard Platform with 6 pcs of OSA13 (96-well Microplate Holder)	Standard Platform with non-skid mat
Ambient Temperature	5°C~40°C			
Relative Humidity	≤80%			
Power Supply	AC110V, 60Hz			AC110V, 60Hz
Max. Power	8.5W	40W	72W	85W
Dimensions (W×D×H)	240 × 345 × 111 mm (9.4 × 13.6 × 4.4 in)	296 × 440 × 129 mm (11.7 × 17.3 × 5.1 in)	296 × 440 × 142 mm (11.7 × 17.3 × 5.6 in)	535 × 432 × 190 mm (21.1 × 17.0 × 7.5 in)
Net Weight	12.5 kg (27.6 lb)	15 kg (33.1 lb)		38 kg (83.78 lb)
IP Protection Rating	IP21			
Certifications	NA	cCSAus, CE, RoHS, WEEE		CE



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Accessories

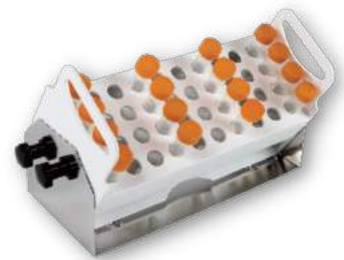
For over 25 years Crystal Technology and Industries has been driven to deliver exceptional value to the scientific marketplace by developing innovative equipment and Cryo Storage Solutions for today's scientist.



Flask Clamp



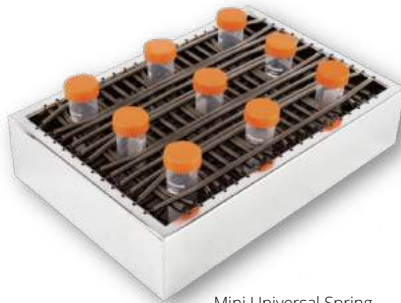
96-Well Micro-plate Holder (IS-A13)



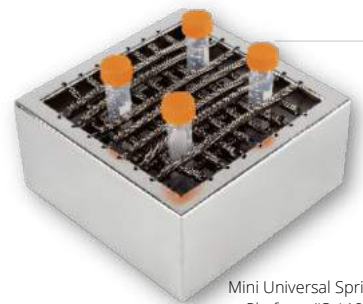
Adjustable Test Tube Rack (IS-A21)



Adjustable Test Tube Rack (IS-A37)



Mini Universal Spring Platform (IS-A27)



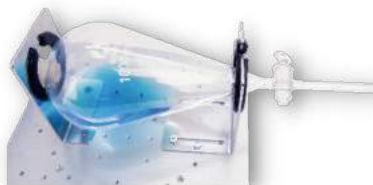
Mini Universal Spring Platform (IS-A19)



Infusion Bottle Clamp (IS-A33)



Infusion Bottle Clamp (IS-A34)



Fixture for Separating Funnel (IS-A35)



Sticky Pad (IS-A47)



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Accessories
Specifications

Item Type	Item Number	Specifications	Max Capacity for OS-03UA	Max Capacity for OS-06UA	Max Capacity for OS-07UA	Max Capacity for SYC-2102A
Flask Clamp	IS-50	25 mL	20	20	NA	36
	IS-A1	50 mL	20	20		36
	IS-A2	100 mL	9	8		20
	IS-A3	150 mL	9	8		20
	IS-A4	200 mL	9	8		20
	IS-A5	250 mL	9	8		16
	IS-A6	500 mL	4	6		12
	IS-A7	1000 mL	4	4		9
	IS-A8	2000 mL	NA	2		4
	IS-A9	3000 mL		2		4
IS-A10	5000 mL	1		2		
96-Well Microplate Holder	IS-A13	WxD: 136x95 mm (5.4 x 3.7 in)	NA	5	NA	8
Tube Rack	IS-A11	40 holes x ø14mm		2		3
	IS-A12	40 holes x ø16mm		NA		
	IS-A23	40 holes x ø18mm				
	IS-A24	27 holes x ø22mm				
Adjustable Angle Tube Rack	IS-A20	40 holes x ø14mm		2		
	IS-A21	40 holes x ø16mm		NA		
	IS-A30	40 holes x ø18mm				
	IS-A31	27 holes x ø22mm				
	IS-A32	27 holes x ø30mm				
IS-A37	24 holes x ø30mm					
Mini Universal Spring Platform	IS-A19	WxDxH: 165x165x80 mm (6.5x6.5x3.1 in)	NA	1		
	IS-A27	WxDxH: 350x240x80 mm (13.8x9.5x3.1 in)				
Separating Funnel Fixture	IS-A35	For separating funnels with volumes greater than 500mL	2	3		
Infusion Bottle Clamp	IS-A33	500 mL	5	12		
	IS-A34	1000 mL		8		
Sticky Pad	IS-A47	140 x 140mm (5.51 x 5.51 in)	2	4	9	