

MS Oven

MO-A01

Major Science's Oven incubator features a broad thermostatic control range and precise temperature uniformity to fulfill a variety of cell culturing and hematology applications. The compact size and stackable design save valuable lab space and maximize productivity. The built-in color touch screen provides hassle-free system operation and instance glance over experiments. With implemented safety features, the powerful MS Oven incubators assure a safe environment to the user as well as samples.

Features

- Large touch screen: 3.5" color display
- Temperature uniformity and accuracy: $\pm 0.2^{\circ}\text{C}$ at 37°C
- Broad temperature control range: ambient $+5^{\circ}\text{C}$ to 85°C
- User temperature calibration
- Safety door switch
- Timer with alarm function
- Power failure auto recovery
- Sturdy, stackable construction



MO-A01



MS Hybridization Oven

MO-AOR

MO-ARK

MS Hybridization Oven series is the advanced and newly renovated version of MS Oven. Besides all the advantages that previous generation has, the two models of MS Hybridization Oven are designed to equip with built-in rotisserie function. The difference of the two models lies in the shaking motion. MO-AOR is embedded with orbital shaking platform while MO-ARK provides an optional rocking one (MO-SEESAW). MS Hybridization Oven is ideal for nucleic acid hybridization and incubation such as Southern, Northern, and Western blot. Full accessories are also available upon request to meet different applications.



MO-AOR



MO-ARK



Features

- Built-in rotisserie function
- Orbital/ Rocking shaking motion
- Large touch screen: 3.5" color display
- Temperature uniformity and accuracy: $\pm 0.2^{\circ}\text{C}$ at 37°C
- Broad temperature control range: ambient $+5^{\circ}\text{C}$ to 85°C
- User temperature calibration
- Safety door switch
- Timer with alarm function
- Power failure auto recovery
- Sturdy, stackable construction

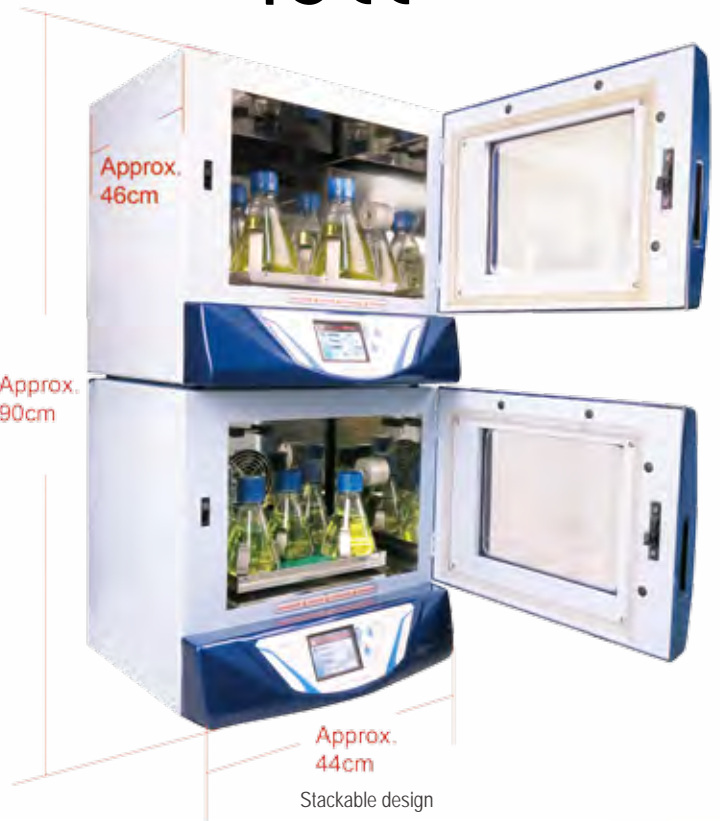
Model Selection Guide



Cat. No.	MO-A01	MO-AOR	MO-ARK
Rotisserie Function	N/A	Yes	Yes
Rotisserie Speed / Inc.	N/A	5-100rpm / 1rpm	5-100rpm / 1rpm
Shaker Motion	N/A	Orbital clockwise / counterclockwise	Rocking*
Shaker Speed	N/A	0-200rpm	5-100rpm

* To perform rocking motion, an optional accessories, MO-SEESAW, is required.

Max. set of flask holder		
Flask	MO-AOR	MO-SEESAW
50ml	8	5
125ml	8	5
250ml	5	5
500ml	2	1



Stackable design

Specification

Cat. No.	MO-A01	MO-AOR	MO-ARK
Display	3.5" 64K color TFT display		
Controller	32-bits Microprocessor		
Control Interface	Touch screen & graphical interface		
Rotisserie Function	N/A	Yes	Yes
Rotisserie Speed / Inc.	N/A	5 - 100rpm / 1rpm	5 - 100rpm / 1rpm
Timer	9999 (min) with alarm / Continuous		
Shaker Motion	N/A	Orbital clockwise / counterclockwise	Rocking*
Shaker Speed	N/A	0 - 200rpm	5 - 100rpm
Temperature Control Range	Ambient +5°C to 85°C		
Temperature Increment	0.1°C		
Temperature Uniformity	± 0.2°C at 37°C		
Temperature Accuracy	± 0.2°C at 37°C		
User Temperature Calibration	Yes		
Inner Chamber Dimensions (WxLxH)	Approx. 13.4"x8.9"x10.2" (340x225x260mm)		
Inner Chamber Volume	Approx. 5.28gal (20L)		
Dimension (WxLxH)	Approx. 17.4"x18.2"x17.8" (442x462x452mm)		
Platform (WxL)	N/A	Approx. 10.6"x7.9" (270x200mm)	Approx. 10.6"x7.9" (270x200mm)
Data Logging	RS-232		
Weight	Approx. 52.9lb (24kg)	Approx. 63.9lb (29kg)	Approx. 63.9lb (29kg)
Rated Voltage	110 / 220V - 50 / 60Hz (Selectable)		
Construction	Painted iron metal with ABS front door		
Safety Device	Safety door switch		
	Thermal safety switch		
	Auto shut off upon fan failure		
	Power failure auto recovery		

* To perform rocking motion on optional accessories, MO-SEESAW is required.

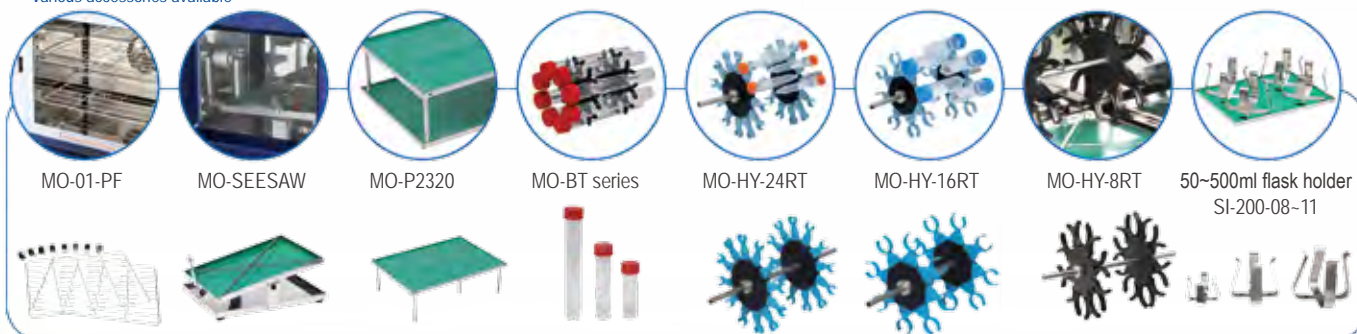
Ordering Information

Cat. No	Product Description
MO-A01	MS Oven with 2 layers of stainless steel mesh plates and 8 plate holders
MO-AOR	MS Hybridization/Orbital Shaking Oven (without rotisserie), 110 / 220V-
MO-ARK	MS Hybridization Oven (w/o rotisserie & rocking shaker platform), 110 / 220V-

Accessories

Cat. No	Product Description
MO-01-PF	1 layer of stainless steel mesh plate with 4 plate holders
MO-HY-8RT	40mm tube rotisserie for 8 tubes
MO-HY-16RT	50ml conical tube rotisserie for 16 tubes
MO-HY-24RT	15ml conical tube rotisserie for 24 tubes
MO-P2320	Additional 230x200mm platform for orbital and reciprocal shaker (with 4 of 100mm pillars)
MO-SEESAW	Rocking Shaker platform for MO-ARK
SI-200-08	Flask Holder, 50ml
SI-200-09	Flask Holder, 125ml
SI-200-10	Flask Holder, 250ml
SI-200-11	Flask Holder, 500ml
MO-BT40x150	Glass tube 40x150mm (diameter x length)
MO-BT40x200	Glass tube 40x200mm (diameter x length)
MO-BT40x300	Glass tube 40x300mm (diameter x length)

• Various accessories available



Touch screen & graphical control interface