version 1.0

2018 Catalogue



major science

Innovative Life Sciences Tools

Incubator

DOMINIQUE DUTSCHER SAS

NEW

MS Mini Incubator

MO-MINI

Major Science's Mini Incubator is designed for personal using and small laboratories, saving much of space. The unit features a broad temperature range to meet a variety of microbiology or hematology applications.
It is compact and economically priced, yet offers unique features not typically found in other incubators. The housing is all corrosion resistant metal, so is the door frame. The glass window of the door offers full visibility to the interior. One stainless steel shelf is included, and can be adjusted to two different levels - additional shelves can be purchased to increase storage capacity. The color touch panel presents vivid and intuitive user interface and the backlit LED ensures enough brightness even in dark environment.
The heating structure incorporated in MS Mini Incubator performs evenly heating and precise temperature control. The microprocessor ensures temperature stability within the chamber. A thermometer port on the top of the unit allows the user to monitor temperatures. In addition, a designed spare port is on the rear of the chamber which allows for an electrical cord to be routed out if needed. Optional function control software allows the Mini Incubator to perform real-time data recording through a PC.





Specification

Cat. No.	MO-MINI
Display	LCD
Temperature Range	Ambient +5° to 70°C
Capacity	17L
Exterior Dimension (WxLxH)	Approx. 12.2"x12"x15" (310x306x380mm)
Interior Dimension(WxLxH)	Approx. 10.3"x10"x10" (261x255x255mm)
Weight	Approx. 28.7 (13kg)
Power	100-240V~, 50/60Hz, 2A
Material	Corrosion resistant metal
PC Connection	USB

Ordering Information

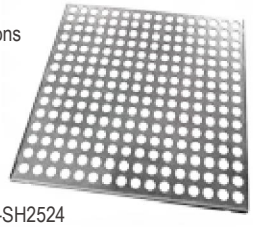
Cat. No	Product Description
MO-MINI	MS Mini Incubator with one stainless steel shelf

Accessories

Cat. No	Product Description
MO-SH2524	250x240mm stainless steel shelf for MS Mini Incubator
MO-MINI-SW	Functional control software for MS Mini Incubator, including a USB cable

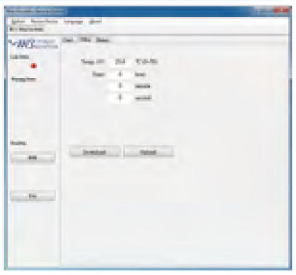
Features

- Ideal for microbiology or hematology applications
- Corrosion resistant metal housing
- Door with large viewing area
- Backlit colored touched panel
- One stainless steel shelf is included
- Function control software available



MO-SH2524





*All images are for reference only, actual products might differ from the images.

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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: ±0.2°C at 37°C
- Broad temperature control range: ambient +5°C to 85°C
- User temperature calibration
- Safety door switch
- Timer with alarm function
- Power failure auto recovery
- Sturdy, stackable construction

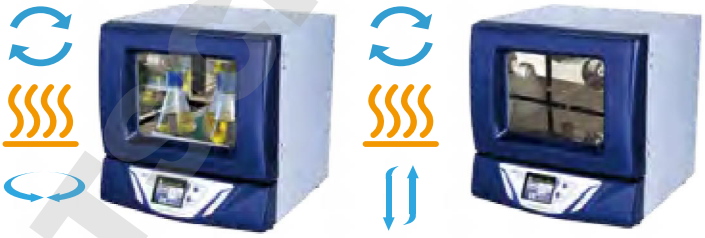


MO-A01

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: ±0.2°C at 37°C
- Broad temperature control range: ambient +5°C to 85°C
- User temperature calibration
- Safety door switch
- Timer with alarm function
- Power failure auto recovery
- Sturdy, stackable construction

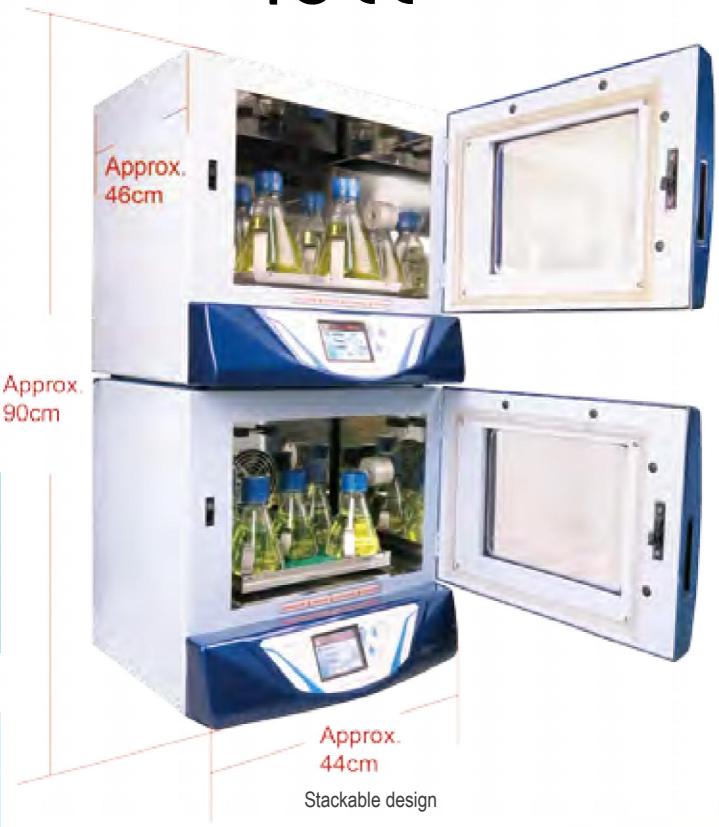
Orbital Rocking Rotation Heating

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

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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~

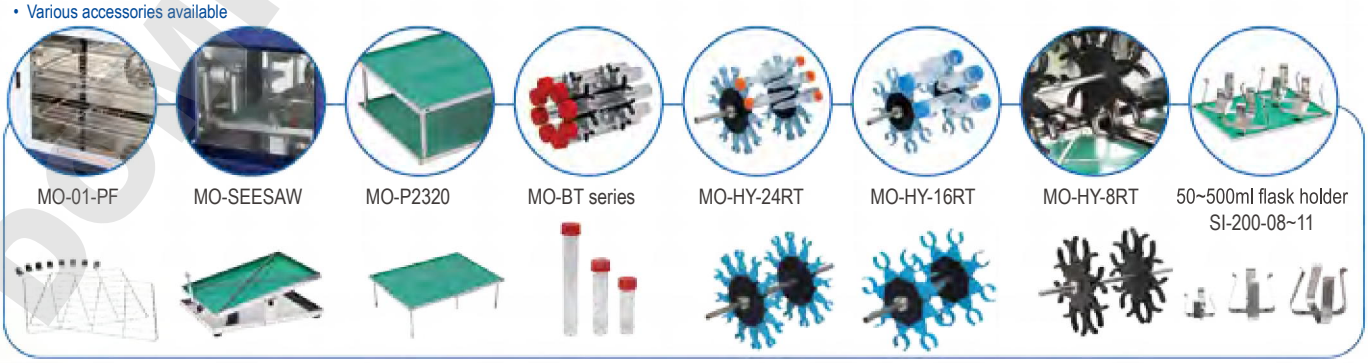
Accessories

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)



Touch screen & graphical control interface

- Various accessories available



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