

## cellIQ™

CO<sub>2</sub> Incubator

5.8 cu.ft. | 165 L



MCO-170AICUVHL-PA | 1374208



With an integrated H<sub>2</sub>O<sub>2</sub> decontamination system as a standard feature, this Cell-IQ CO<sub>2</sub> incubator enables continued contamination mitigation throughout the internal chamber to minimize the onset of pathogenic accumulation following door openings. The user-friendly design with touchscreen panel delivers exceptional performance critical to reproducibility in the laboratory.

### Precise and Repeatable Environment

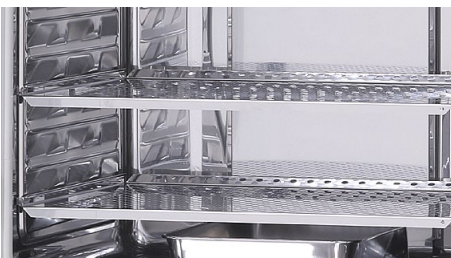
The patented Direct Heat and Air Jacket system works with the IR2 sensor to provide precise temperature and CO<sub>2</sub> levels, respectively. InCu-saFe® and SafeCell™ UV function together to prevent contamination.

### Time-Saving Decontamination

The high speed decontamination system uses hydrogen peroxide (H<sub>2</sub>O<sub>2</sub>) vapor to safely clean the chamber in less than three hours while providing a kill rate with at least a six log reduction of major contaminants.

### Improved Use and Maintenance

A color LCD touchscreen delivers full control, even with gloved hands, while a standard USB port makes log data transfer to PC convenient. The CO<sub>2</sub> incubator offers integrated shelf channels with minimal parts for easy cleaning.



### Germicidal Interior

InCu-saFe copper enriched, stainless steel alloy offers germicidal properties of elemental copper without corrosion or discoloration.



### Contamination Control

The isolated UV lamp decontaminates circulated air and the humidity water reservoir without harming the cultured cells.



### Intuitive Control

The control panel interface allows for easy programming of temperature, CO<sub>2</sub> and other internal conditions of your incubator.

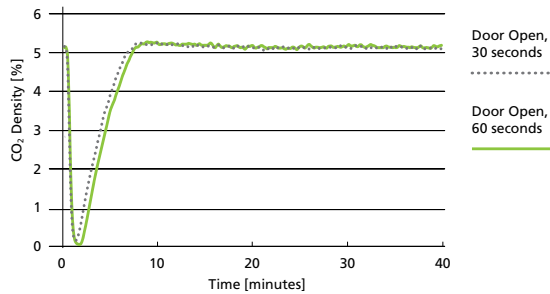


Model MCO-170AICUVHL-PA | 1374208 shown with optional inner doors.

### Direct Heat and Air Jacket System

Accurate temperature levels are regulated by the Direct Heat and Air Jacket system which functions under microprocessor control.

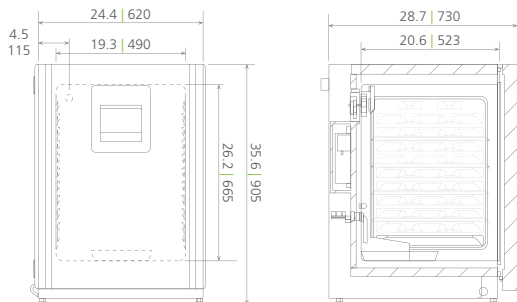
### Performance and Recovery



Proprietary IR2 sensor achieves ultrafast CO<sub>2</sub> recovery without overshoot, even following multiple door openings.

### Dimensions

Unit : inch | mm



Model Number		MCO-170AICUVHL-PA   1374208
External Dimensions (W x D x H) <sup>1)</sup>	inches   mm	24.4 x 28.7 x 35.6   620 x 730 x 905
Internal Dimensions (W x D x H)	inches   mm	19.3 x 20.6 x 26.2   490 x 523 x 665
Volume	cu.ft.   liters	5.8   165
Net Weight	lbs   kg	176   80
<b>Performance</b>		
Warranty <sup>2)</sup>		3 years parts and labor, 5 years CO <sub>2</sub> sensor
Temperature Control Range and Fluctuation <sup>3)</sup>	°C	+5 above ambient to +50, ± 0.1
Temperature Uniformity <sup>3)</sup>	°C	± 0.25
CO <sub>2</sub> Control Range and Fluctuation <sup>3)</sup>	%	0 to 20, ± 0.15
Humidity Level & Fluctuation	% RH	95 at 37°C, ± 5
<b>Control</b>		
Controller		Microprocessor
Temperature Sensor		Thermistor
Display		Color LCD touchscreen readable in 0.1 increments
Sensor	CO <sub>2</sub>	Dual filter IR
<b>Construction</b>		
Exterior Material		Painted steel (rear cover coated steel)
Interior Material		Stainless steel copper enriched alloy
Outer Door	qty	1
Field Reversible Door		Included
Inner Door	qty	1 (sealing tempered glass with positive latch)
Humidity Pan	qty	1 (stainless steel)
Shelves	qty	4 (stainless steel copper enriched alloy)
Shelf Dimension (W x D x H)	inches   mm	18.5 x 17.7 x 0.5   470 x 450 x 12
Max. Load per Shelf	lbs   kg	15.4   7
Max. Total Load	lbs   kg	61.6   28
Max. Shelf Capacity	qty	10
Access Port / Position	qty	1; rear upper left
Access Port Diameter	inches   mm	1.2   30 (with silicone (non-VOC) stopper)
Leveling Feet	qty	4
<b>Decontamination Control</b>		
InCu-safe Chamber, Plenum, Shelves	passive	Included (stainless steel copper enriched alloy)
SafeCell UV Light System	passive/active	Included
Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) Vapor	active	Included
<b>Alarms</b> (V=Visual Alarm, Buzzer Alarm, R=Remote Alarm)		
Power Failure		R
Temperature Deviation	high	V-B-R
Gas Deviation	CO <sub>2</sub>	V-B-R
Supply Empty	CO <sub>2</sub>	V-B-R
Door Open		V-B
<b>Electrical and Noise Level</b>		
Power Supply		115V, 1Ø, 60Hz, NEMA 5-15P requires NEMA 5-15R receptacle
Noise Level <sup>4)</sup>	dB(A)	29
<b>Options</b>		
H <sub>2</sub> O <sub>2</sub> Vapor Generator		MCO-HP-PW <sup>5)</sup>
H <sub>2</sub> O <sub>2</sub> Reagent	package of 6	MCO-H2O2-PV
Inner Door Kit		MCO-170ID-PW
CO <sub>2</sub> Gas Pressure Regulator	psi	0 – 15; MCO-100L
Automatic CO <sub>2</sub> Cylinder Changeover System		MCO-21GC-PW
InCu-safe Shelf		MCO-170ST-PW
InCu-safe Shelf-Reinforced		MCO-170RT-PW
Double Stacking Bracket <sup>5)</sup>		MCO-170SB-PW
Stacking Plate		MCO-170PS-PW
Roller Base		MCO-170RB-PW
4-20mA Analog Output		MCO-420MA-PW
<b>Optional Communication System</b>		
Wireless, Cloud-based, Automatic Data Management		LabAlert® Monitoring System

<sup>1)</sup> Exterior dimensions of main cabinet only, excluding handle and other external projections

<sup>2)</sup> Current warranty offered at time of printing and may be subject to change; US and Canada only

<sup>3)</sup> Ambient temperature 23°C, setting 37°C, CO<sub>2</sub> 5%, no load

<sup>4)</sup> Nominal value, background noise 20 dB(A)

<sup>5)</sup> If stacking two incubators, make sure the double stacking dedicated secure hardware and spacer are used

Note: Additional options available.

Specifications are subject to change without notice.

Performance data herein is based on independent testing at time of publication.