



MCO-170AICUVL-PA | 10119-820

cellIQ™

CO<sub>2</sub> Incubator

5.8 cu.ft. | 165 L



Panasonic Healthcare's CO<sub>2</sub> incubator design and touchscreen panel deliver exceptional ease of use, effortless cleaning and maintenance as well as outstanding performance with multilevel contamination control.

### 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 control contamination.

### Time-Saving Decontamination

Optional Panasonic Healthcare 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 100% kill rate with at least a six log reduction of major contaminants.

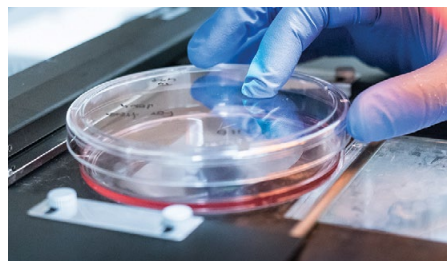
### Improved Use and Maintenance

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.



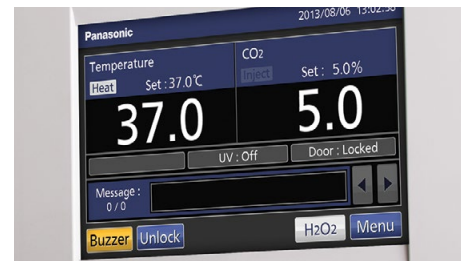
### Germicidal Interior

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



### Contamination Control

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



### Intuitive Control

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

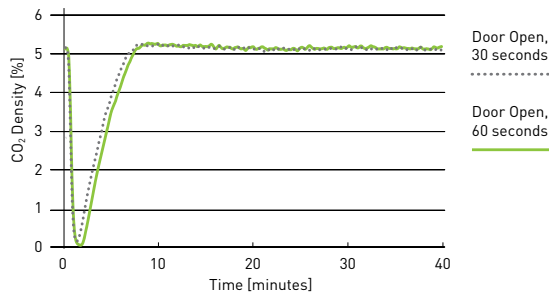


Model MCO-170AICUVL-PA | 10119-820

### Direct Heat and Air Jacket System

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

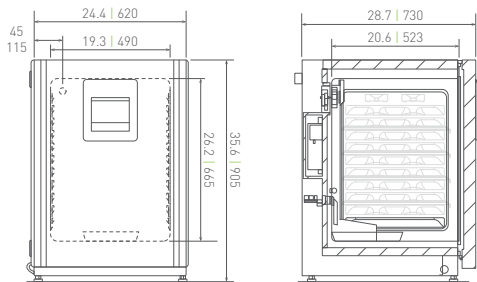
### Rapid CO<sub>2</sub> Density Recovery



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

### Dimensions

Unit : inch | mm



Model Number	MCO-170AICUVL-PA 10119-820		With Optional H <sub>2</sub> O <sub>2</sub> Decontamination
External Dimensions (W × D × H) <sup>1)</sup>	inches   mm	24.4 × 28.7 × 35.6   620 × 730 × 905	
Internal Dimensions (W × D × H)	inches   mm	19.3 × 20.6 × 26.2   490 × 523 × 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 to 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 × D × H)	inches   mm	18.5 × 17.7 × 0.5   470 × 450 × 12	
Max. Load per Shelf	lbs   kg	15   7	
Max. Total Load	lbs   kg	60   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	Optional	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, 10, 60Hz, NEMA 5-15P requires NEMA 5-15R receptacle	
Noise Level <sup>4)</sup>	dB(A)	29	
<b>Options</b>			
Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> ) Vapor Board		MCO-170HB-PA <sup>5)</sup> 10119-816	Included
Outer Door—Password Access Electronic Lock		MCO-170EL-PW <sup>5)</sup> 10119-818	Included
H <sub>2</sub> O <sub>2</sub> Vapor Generator		MCO-HP-PW <sup>5)</sup>   10119-830	
H <sub>2</sub> O <sub>2</sub> Reagent	package of 6	MCO-H2O2-PV   10119-832	
CO <sub>2</sub> Gas Pressure Regulator	psi	0 – 15; MCO-100L   10119-838	
Automatic CO <sub>2</sub> Cylinder Changeover System		MCO-216C-PW   10119-834	
InCu-saFe Shelf		MCO-170ST-PW   10119-822	
InCu-saFe Shelf—Reinforced		MCO-170RT-PW	
Double Stacking Bracket <sup>4)</sup>		MCO-170PS-PW   10119-824	
Roller Base		MCO-170RB-PW   10119-814	
4-20mA Analog Output		MCO-420MA-PW   10119-842	
<b>Optional Communication System</b>			
Wireless, Cloud-based, Automatic Data Management		LabAlert® Monitoring System	

- 1) Exterior dimensions of main cabinet only, excluding handle and other external projections
  - 2) Current warranty offered at time of printing and may be subject to change; US and Canada only
  - 3) Ambient temperature 23°C, setting 37°C, CO<sub>2</sub> 5%, no load
  - 4) Nominal value, background noise 20 dB(A)
  - 5) MCO-170AIC series requires MCO-170HB-PA (10119-816), MCO-170EL-PW (10119-818) and MCO-HP-PW (10119-830) for H<sub>2</sub>O<sub>2</sub> Decontamination
  - 6) If stacking two incubators, make sure the double stacking dedicated secure hardware and spacer are used
- Note: Additional options available. Contact Panasonic Healthcare

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