



MCO-170AICUV-PA

cellIQ™

CO₂ Incubators

5.8 cu.ft. | 165 L

Panasonic's CO₂ incubator design with touchscreen control panel delivers exceptional ease of use, effortless cleaning and maintenance as well as outstanding performance with multi-level contamination control.

Precise & Regulated Environment

InCu-saFe® and SafeCell UV functions together to prevent contamination. The patented Direct Heat and Air Jacket system works with the IR2 sensor to regulate temperature and CO₂ levels, respectively.

Time-Saving Decontamination

Panasonic's high-speed decontamination system uses vaporized hydrogen peroxide and UV light to safely clean the chamber in less than three hours, while providing 100% kill rate with at least a 6 log reduction of major contaminants.

Improved Use & Maintenance

A color LCD touch panel delivers full control, even with gloved hands, while a standard USB port makes log data transfer to PC convenient. The CO₂ incubator offers integrated shelf channels with minimal parts for easier cleaning.



High-Value Cell Culturing

Grow sensitive cells in a precisely regulated environment.



Efficient Workflows

Conduct your lab's processes and experiments more efficiently with less incubator downtime.



Intuitive Usability

Easy control over CO₂, temperature, humidity, and other internal conditions of your MCO-170AIC incubator.

Cell/Q™ CO₂ Incubators

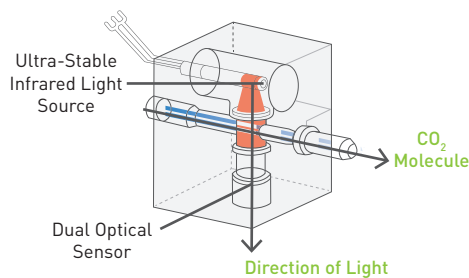


Direct Heat & Air Jacket System

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

Rapid CO₂ Recovery

Proprietary IR2 sensor achieves ultra-fast CO₂ recovery without overshoot, even following multiple door openings.



Germicidal Interior

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

Proactive Contamination Control

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

Condensation Management

With unique antibacterial coating, the dew stick—controlled by Peltier technology— attracts water drops to its surface, which then fall back into the humidity pan, preventing unwanted condensation in the chamber.

Panasonic

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Model Number		MCO-170AICUV-PA	MCO-170AICUVH-PA
External Dimensions (W x D x H) ¹⁾	inches mm	24.4 x 28.0 x 35.4 620 x 710 x 900	
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	
Performance			
Temperature Control Range & Fluctuation	°C	Ambient +5 to +50, ±0.1	
Temperature Uniformity ²⁾	°C	±0.25	
CO ₂ Control Range & Fluctuation ²⁾	%	0 to 20, ±0.15	
Humidity Level & Fluctuation	%RH	95, ±5	
Control			
Temperature Sensor		Thermistor	
CO ₂ Sensor		Dual Filter IR	
Display		LCD Touch Screen	
Construction			
Exterior Material		Painted Steel (rear cover not painted)	
Interior Material		Stainless Steel Copper-Enriched Alloy	
Insulation Material		Polystyrene	
Heating System		Direct Heat & Air Jacket System	
Outer Door	qty	1	
Outer Door Lock		Optional	Included
Field Reversible Door		Included	
Inner Door	qty	1 x Sealing Tempered Glass	
Shelves	qty	4 x Stainless Steel Copper Enriched Alloy	
Shelf Dimensions	inches mm	18.5 x 17.7 x 0.5 470 x 450 x 12	
Max. Load per Shelf	lbs. kg	15 7	
Max. Total Load	lbs. kg	45 21	
Max. Shelf Capacity	qty	10	
Access Port	qty	1	
Access Port Position		Rear Upper Left	
Access Port Diameter	inches mm	1.2 30	
Alarms [R = Remote Alarm, V = Visual Alarm, B = Buzzer Alarm]			
Power Failure		R	
Temperature Deviation		V-B-R	
High Temperature		V-B-R	
CO ₂ Deviation		V-B-R	
Door open		V-B	
Electrical and Noise Level			
Power Supply	V	115	
Frequency	Hz	60	
Noise Level ³⁾	dB(A)	29	
Options			
SafeCell UV® System		Included	
H ₂ O ₂ Decontamination Board		MCO-170HB-PA ⁴⁾	Included
Electric Door Lock with Password Access		MCO-170EL-PW ⁴⁾	Included
H ₂ O ₂ Vapor Generator		MCO-HP-PW ⁴⁾	
H ₂ O ₂ Reagent, pack of 6 bottles		MCO-H2O2-PA	
Multiple Inner Doors	qty = 4	MCO-170ID-PW	
CO ₂ Gas Pressure Regulator	0 - 15 psi	MCO-100L-PW	
Automatic CO ₂ Cylinder Changeover System		MCO-21GC-PW	
Semi-automatic one point Gas Calibration Kit		MCO-SG-PW	
InCu-saFe® Shelf (and brackets if required)		MCO-170ST-PW	
InCu-saFe® Half Tray System		MCO-25ST-PW	
Double Stacking Bracket*		MCO-170PS-PW	
Stacking Plate*		MCO-170SB-PW	
Roller Base		MCO-170RB-PW	

¹⁾ Exterior dimensions of main cabinet only, excluding handle and other external projections

²⁾ ±0.25°C; ambient temperature 23°C, setting 37°C, CO₂ 5%, no load

³⁾ Nominal value

⁴⁾ MCO-170AIC series requires MCO-170HB-PE, MCO-170EL-PW, and MCO-HP-PW for H₂O₂ decontamination

*If stacking two incubators, make sure the double-stacking dedicated securing hardware and spacer are used