

cellIQ™

CO₂ Incubators



New 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.

Offers consistent and uniform environment through:

- Direct Heat and Air Jacket System for accurate temperature control.
- Condensation Management System for effective condensation control and consistent humidity.
- Dual detector IR2 sensor for precise CO₂ control and recovery.
- Multilevel contamination Control with Sterisonic H₂O₂ decontamination control, SafeCell UV, InCu-saFe® & Active Background Contamination Control.

InCu saFe®



SafeCell UV



Sterisonic®
H₂O₂ Decontamination



5.8 cu.ft.



Touch Screen

A color LCD touch panel delivers full control over different parameters. Touchscreen can be controlled with gloved fingers. Standard USB port provided for convenient log data transfer to a USB, memory stick and to a PC.



Fast CO₂ Recovery

Quick recovery and precise CO₂ control utilizing a proprietary single-beam, dual detector infrared (IR₂) sensor. Following door openings, full CO₂ recovery is achieved within **2 minutes**, without overshoot.



Efficient Decontamination

Built-in Sterisonic H₂O₂ decontamination system integrates SafeCell UV technology with copper enriched stainless steel InCu-saFe® construction and unique cabinet design to permit effective decontamination in less than three hours with fast return to service.



cellIQ™ CO₂ Incubators

Optimized for high-value samples, hard-to-grow cell lines as well as contamination-sensitive media/reagents.



cellIQ™ CO₂ Incubator offers integrated shelf channels with minimal interior components that make it easier to clean and



Integrated Shelf Chamber
Shelf Channels are now an integral part of the chamber, opening up more space for trays, allowing the incubator to accommodate more culture containers.

SafeCell UV Decontamination
The new 5000 Hour UV Lamp provides long term maintenance-free service without the production of Ozone.

UV Lamp also provides easy access to an effective 24 hour chamber decontamination feature through the Touch Panel.

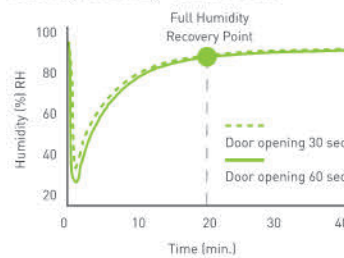


Condensation Management System
It uses a unique antibacterial coated 'dew stick' cooled by peltier cooling technology that acts similar to a glass of cold water on a humid day. The condensed water droplets then fall back harmlessly into the humidity pan.

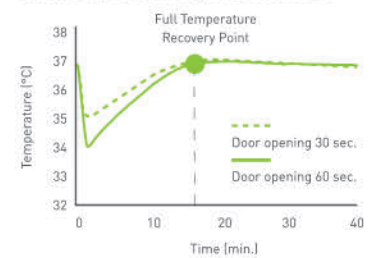
Panasonic Condensation Management System and Direct Heat and Air jacket system

work to provide industry's most efficient recovery time after door openings. This helps to maintain consistent internal conditions that ensure a healthy and optimum environment for your cells.

Humidity Recovery characteristic



Temperature Recovery characteristics



MODEL	MCO-170AICUVL-PA	MCO-170AICUVHL-PA
DECONTAMINATION	H ₂ O ₂ Decontamination - Optional 24 hr full chamber UV decontamination : SafeCell UV , inCu-saFe, Active Background Decontamination control	H ₂ O ₂ Decontamination - Standard
CO ₂ SENSOR PLATFORM	Ceramic light source, single beam infrared sensor, with dual wavelength measurement for continuous auto-zero calibration	
INTERIOR DIMENSIONS	490 x 523 x 665 (mm) / 19.3 x 20.6 x 26.2 (inch)	
EXTERIOR DIMENSIONS	620 x 710 x 900 (mm) / 24.4 x 28.0 x 35.4 (inch)	
VOLUME	165 liters (5.8 cu.Ft.)	
SHELVES	4 supplied as standard (Maximum 10), 470 (W) x 450 (D) x 12 (H) mm, Maximum load 7kg/shelf (15lbs)	
TEMPERATURE CONTROL RANGE	+5°C above ambient to 50°C (Ambient temperature: 5°C - 35°C)	
POWER REQUIREMENTS	110-120V, 60Hz	
NET WEIGHT	80kg (176 lbs)	
TEMPERATURE CONTROL UNIFORMITY DEVIATION	±0.25°C (23°C ambient, setting: 37°C, CO ₂ : 5%, no load)	
CO ₂ CONTROL RANGE AND DEVIATION	0% to 20% / ±0.15% (23°C ambient, setting 37°C, 5% CO ₂ , no load)	
INTERIOR HUMIDITY	95% ±5%R.H. at 37°C by natural evaporation with humidifying pan. Adjustable	
TEMPERATURE AND CO ₂ CONTROL	P.I.D. control system setpoint resolution 0.1°C, 0.1%	
OUTER DOOR	Reversible heated	
ACCESS PORT	Diameter 30mm port with non-VOC silicone stoppers	