рнсы



IncuSafe



Optimising cell culture outcomes and reproducibility PHCbi CO₂ Incubators provide precise control of CO₂ concentration and accurate, uniform, and highly responsive temperature control within the chamber. During cell culturing, the inCu-saFe germicidal interior and optional SafeCell UV lamp continuously prevent contamination.

Effortless cleaning and maintenance

The interior of the incubator is easy to clean and has more space for dishes on the shelves due to the new integrated shelf supports. The number of interior parts have been reduced by approx. 80% compared to the previous model.



An OLED alphanumeric keypad allows convenient

Precise Control &

Intelligent Monitoring

keypad allows convenient but secure user control. It can display internal conditions, such as CO₂ level and temperature. Transfer of data is easy via a USB port.

Precise & Regulated Environment

InCu-saFe and optional SafeCell UV lamp both function to prevent contamination. The Direct Heat and Air Jacket System regulate the temperature while the TC sensor controls the CO₂ level.



Efficient workflows

The cleaning of the inner chamber is much easier with the interior featuring fully rounded corners and without the need to remove many interior parts. Therefore laboratory process are more efficient with less incubator downtime.



Easy to Use

Adjustable audible and visual alarms are standard, along with integrated system diagnostics and predictive performance supervision. The passwordprotected control panel provides security and minimizes risk of accidental changes in setpoint.



Optimum cell growth

Outstanding quality and performance for successful cell growth, optimal results and reproductivity. Perfect fit for the strictest and most sensitive protocols.

165 L

IncuSafe CO₂ Incubators



Active Background Decontamination

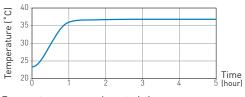
The inCu-saFe copper-enriched stainless steel alloy interior offers the germicidal properties of copper as well as the corrosion resistance of stainless steel. The optional, isolated SafeCell UV lamp decontaminates circulating air and water in the humidifying pan without harming cultured cells.

Condensation Management

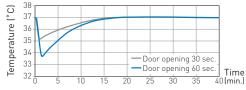
The 'dew stick'-controlled by Peltier technologycondenses water on its surface, which then drips into the humidifying pan, preventing unwanted condensation in the chamber and possible contamination.

Performance data

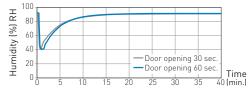




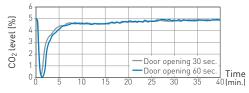
Temperature recovery characteristics



Humidity recovery characteristics



CO₂ level recovery characteristics





PHC Europe B.V.

Nijverheidsweg 120 | 4879 AZ Etten-Leur | Netherlands T: +31 (0) 76 543 3839 | F: +31 (0) 76 541 3732 www.phchd.com/eu/biomedical

Model Number		MC0-170AC-PE
External Dimensions (W x D x H)1)	mm	620 x 730 x 905
Internal Dimensions (W x D x H)	mm	490 x 523 x 665
Volume	liters	165
Net Weight	kg	74
Performance		
Temperature Control Range & Fluctuation	°C	AT +5 to +50 ² , ±0.1
Temperature Uniformity ²⁾	°C	±0.25
CO, Control Range & Fluctuation ³	%	0 to 20, ±0.15
Humidity Level & Fluctuation	%RH	95±5
Control		
Temperature Sensor		Thermistor
CO, Sensor		TC
Display		Digital (White graphic Organic LED)
Construction		Digital (White graphic organic EED)
Exterior Material		Painted Steel (rear cover not painted)
Interior Material		Stainless steel copper-enriched alloy
Insulation Material		Stamess steet copper-enriched attoy Styrene AcryloNitrile copolymer
Heating Method		
Outer Door		Direct Heat & Air Jacket System
Field Reversible Door	qty	
		Included
Inner Door	qty	1 (tempered glass)
Shelves	qty	3 x Stainless steel copper-enriched alloy
Shelf Dimensions (W x D x H)	mm	470 x 450 x 12
Max. Load per Shelf	kg	7
Access Port	qty	1
Access Port Position		Rear Upper Left
Access Port Diameter	Ømm	30
Alarms		(R = Remote Alarm, V = Visual Alarm, B = Buzzer Alarm)
Power Failure		R
Out of Temperature Setting		V-B-R
High Temperature		V-B-R
Out of CO ₂ Setting		V-B-R
Door open		V-B
Electrical and Noise Level		
Power Supply	V	230
Frequency	Hz	50
Noise Level ⁴⁾	dB	29
Options		
SafeCell UV® System		MCO-170UVS-PE
		MCO-010R-PW
CO ₂ Gas Pressure Regulator		
* -		MCO-21GC-PW
Automatic CO ₂ Cylinder Changeover System		MCO-21GC-PW MCO-170ID
Automatic CO ₂ Cylinder Changeover System Small door		
Automatic CO ₂ Cylinder Changeover System Small door InCu-saFe shelf		MC0-170ID
Automatic CO ₂ Cylinder Changeover System Small door InCu-saFe shelf InCu-saFe half tray system		MCO-170ID MCO-170ST-PW
Automatic CO ₂ Cylinder Changeover System Small door InCu-saFe shelf InCu-saFe half tray system Double stacking bracket		MC0-170ID MC0-170ST-PW MC0-25ST-PW MC0-170PS-PW
Automatic CO ₂ Cylinder Changeover System Small door InCu-saFe shelf InCu-saFe half tray system Double stacking bracket Stacking plate		MC0-170ID MC0-170ST-PW MC0-25ST-PW MC0-170PS-PW MC0-170SB-PW
Automatic CO ₂ Cylinder Changeover System Small door InCu-saFe shelf InCu-saFe half tray system Double stacking bracket		MC0-170ID MC0-170ST-PW MC0-25ST-PW MC0-170PS-PW

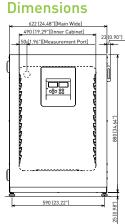
Appearance and specifications are subject to change without notice

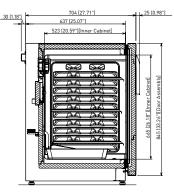
¹⁾ Exterior dimensions of main cabinet only, excluding handle and other

external projections. ^a When set temperature is 37°C, ambient temperature must be 32°C or tess. Regardless of ambient temperature, the maximum of temperature control range is always 50°C.

³⁾ The measurement condition complies with PHCbi specified

^a The measurement condition computes with PHLb1 specified measuring method.
⁴ Nominal value.
⁵ The optimum performance may not be obtained if the ambient temperature is not above 15°C.
⁴ Can only be fitted with one communications interface.





EEA, Switzerland and Turkey only



CE

For medical use The MCO-170AC-PE is certified as a Class IIa Medical Device (19)42/EEC and 2007/47/EC). Applicable countries: Austria, Belgium, Cyprus, Denmark, Finland, France, Germany, Ireland, Italy, Liechtenstein, Luxembourg, Malta, the Netherlands, Spain, Switzerland and the United Kingdom only

For laboratory use Applicable countries: EEA countries, Switzerland and Turkey