

CytoGrow Compact Series CO₂ and Multigas Incubators



MCO-5ACL-PA | MCO-5ACLUV-PA
MCO-5M-PA | MCO-5MUV-PA

Achieve a precise CO₂ and O₂ environment in a compact, stackable design that simulates accurate *in vivo* conditions.

1. Ergonomic Design-These compact, stackable incubators, for individual cell culturing of patient samples, are ideal for IVF and hypoxic applications.

2. Proactive Contamination Control- InCu-saFe® and SafeCell UV [optional] establish an active background control to prevent contamination.

3. Precise & Regulated Environment-The Direct Heat and Air Jacket conditioning systems regulates temperature, while the Zirconia Oxygen sensor controls O₂ for your most sensitive cells.

InCu-saFe®



SafeCell UV



Direct Heat & Air Jacket



1.73 cu.ft. (49 L)

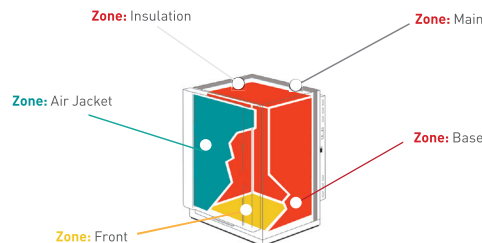
 Stackable
 Construction

The CytoGROW Compact series incubator is designed for stacking, allowing one unit to be positioned on top of another, increasing the interior volume without additional floor space.




 Reliable Environment

Accurate temperature levels are regulated by the Direct Heat and Air Jacket conditioning system which distributes proportional energy to the interior chamber. A high density insulation protects this system against ambient temperature fluctuations.



Direct Heat and Air Jacket Conditioning System

 Control & Monitoring

The CytoGROW Compact series incubator provides accurate digital display of interior conditions along with an easy-to-operate control panel for optimal visibility and control.

- Digital Temperature Display
- Heat ON Lamp



CytoGROW Compact Series

CO₂ Models: MCO-5ACL-PA | MCO-5ACLUV-PA

Multigas Models: MCO-5M-PA | MCO-5MUV-PA

High Performance *in vivo* Simulation

Stable temperature, humidity, and CO₂ density are achieved through a combination of performance systems. While supervising these functions, the microprocessor controller also provides complete alarm programming, calibration, and diagnostic protocols.



Zirconia Sensor for O₂ Control

A solid zirconia oxygen sensor maintains sub-ambient O₂ levels with a high degree of precision in multigas incubators, even after frequent door openings.



InCu-saFe® Interior

Superior contamination control, with an anti-microbial copper alloy stainless steel interior, offers germicidal protection while providing a non-corrosive environment.



SafeCell UV (Optional)

Patented SafeCell UV technology uses a programmable ultraviolet lamp that decontaminates the air and humidity water pan, without affecting the cell cultures.

Customer Testimonial:

“Consistently good blastocyst production and high pregnancy outcomes have been attained at SCIRS. These versatile tri-gas MCO-5M incubators allow us to easily adjust CO₂ levels (e.g. pH) to account for media batch variations.”

– Mitchel C. Schiewe, PhD, HCLD
Southern California Institute for Reproductive Sciences (SCIRS)

MODEL	MCO-5ACL-PA / MCO-5ACLUV-PA	MCO-5M-PA / MCO-5MUV-PA
ACCESS PORT	Inner Diameter: 1.18" (30 mm), on the back side	
CO ₂ CONTROL RANGE & VARIATION	0% to 20% ±0.15% (ambient temperature: 25°C, setting: 37°C, CO ₂ : 5%, no load)	
CO ₂ SENSOR TYPE	Thermal Conductivity (TC) Sensor	
EXTERIOR DIMENSIONS (W X D X H)	18.9" x 21.6" x 22.4" (480 x 548 x 568 mm)	18.9" x 21.6" x 22.6" (480 x 548 x 575 mm)
HEATING SYSTEM	Direct Heat and Air Jacket Conditioning System	
HUMIDIFYING SYSTEM	Natural evaporation with humidifying pan, 95% R.H. ±5% R.H.	
INSULATION	Rigid-polyurethane foamed-in place	
INTERIOR DIMENSIONS (W X D X H)	13.8" x 14.9" x 14.8" (350 x 378 x 375 mm)	
INTERIOR SURFACES	Stainless steel containing copper	
MAXIMUM POWER CONSUMPTION	Max. 205 W	
NET WEIGHT	49 kg (108 lbs.)	50 kg (110 lbs.)
POWER REQUIREMENTS	115 V / 15 Amp Breaker / NEMA 5-15R Receptacle / 60Hz	
REMOTE ALARM CONTACTS	Allowable contact capacity: DC 30 V, 2 A	
SHELVES (W X D)	12.2" x 12.2" (310 x 310 mm)	
TEMPERATURE CONTROL	P.I.D. Control System	
TEMPERATURE CONTROL RANGE	+5°C to 50°C (Ambient temperature: 5°C to 35°C)	
TEMPERATURE UNIFORMITY	±0.25°C (ambient temperature: 25°C, settings: 37°C, 5% CO ₂ , no load)	
VOLUME	1.73 cu.ft. (49 L)	