ReCO$_2$ver™

In cell culture applications, each cell type will benefit from being kept in proper physiological growth conditions. While many incubators attempt to mimic ideal conditions, this environment is lost with each door opening taking a long time to return to an optimal climate. ReCO$_2$ver incubators deliver unprecedented recovery of those conditions after they have been interrupted.

At Baker, we know contamination prevention. Our ReCO$_2$ver™ design draws on this extensive experience to protect precious cultures against the threat of contamination from a wide variety of sources, for a wide variety of scientific applications.

Hear how to achieve optimal growth conditions with our rapid recovery incubator.

FEATURES

- Large full face HEPA filter which captures contaminants and provides ISO Class 4 air in a uniform vertical downflow.
- Ultrasonic humidity delivery system eliminates the water pan altogether along with the risk of contaminants that go with it, and UV light to protect internal water reservoir from contamination.
- Precise active humidity control under typical (up to 90%) and higher (90%-95%) levels of humidity.
- Optional H_2O_2 decon cycle achieves effective kill rate in under 4 hours, UV light to protect internal water reservoir from contamination.
- Fogless Interior door with heated frame to reduce the need for door openings.
- Rapid recovery rates after door openings to keep cells in optimal growth conditions. (RH 4 minutes, CO_2 5 minutes, Temperature 6 minutes).

APPLICATION

$ReCO_2ver$ incubators create optimal growth by recovering to set environmental conditions rapidly. Ideal for any cell culture applications, but especially for cell biology research benefitting from either contamination protection or maintenance of proper physiological cell growth conditions.

TECHNICAL SPECIFICATION

	$ReCO_2ver$™	$ReCO_2ver$™ Plus
Performance Specifications		
Model Number	REC 602	REC 602 -Plus
Humidity Delivery	Ultrasonic (Nebulizer)	
Heat Type	Direct Heat	
External Dimensions	26.9" W x 26.5" D x 40.5" H (683mm W x 673mm D x 1029mm H)	
Internal Dimensions	19.9" W x 21.9" D x 33.5" H (505mm W x 556mm D x 851mm H) (239 Litres)	
Usable Interior Volume / Capacity	5.92 ft3 (0.168 m3) / 275 90mm plates	
Usable Shelf Area / Max Shelves	18.6" W x 20.1" D (472mm W x 511mm D) / 12 shelves (4 standard)	
Weight	250 lbs. (114 kg.) / Shipping Weight 310 lbs. (141 kg)	
Environmental Performance		
Temperature Control Range	13°F (7.0°C) above ambient - 131°F (55.0°C) (increments of 0.2°F / 0.1°C)	
Temperature Accuracy	+/-0.1°C	
Temperature Uniformity	+/- 0.25°C	
Temperature Recovery Time	Within 1°C of set point (37°C) in 6 minutes	
CO_2 Control Range	0.0% - 20.0% (increments of 0.1%)	
CO_2 Accuracy	+/-0.15% (the CO_2 sensor is a non-dispersive infrared sensor)	
CO_2 Recovery Time	Within 0.2% of set point (5%) in 5 minutes	
Contamination Control		
Relative Humidity Control Range	Two operating modes: Up to 90%; 90%-95%	
Relative Humidity Accuracy	+/-3%	
Relative Humidity Recovery Time	Within 3% of set point (90%) in 4 minutes	
Contamination Prevention	Expansive HEPA filter providing better-than-ISO Class 4 (Class 10) air cleanliness	
Biodecontamination Methods	UV Light	UV Light & H_2O_2 (Standard)

RESOURCES

Scan the codes to view our white papers on how $ReCO_2ver$ achieves optimal conditions.

Fast and accurate humidity control

Eliminate the Edge Effect

H_2O_2 decon. procedure

Baker

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