

## INTRODUCTION

A CO<sub>2</sub> incubator is a device designed to emulate the cells' natural environment by controlling physical parameters such as the temperature, humidity, CO<sub>2</sub>, and O<sub>2</sub> levels for the optimum growth and development of cells. It is designed for high-quality incubation performance through the precise control of heating and gas injections combined with multiple contamination control and ergonomic features appropriate for safe incubation of many types of cells and tissues.

## List of Applications

- Neuroscience
- Stem Cell Research
- *In Vitro* Fertilization
- Tissue Engineering
- Cancer Research
- Other Mammalian Cell Research

## ESCO LIFESCIENCES GROUP

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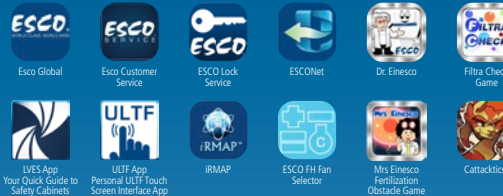
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## Esco CO<sub>2</sub> Incubators

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# Esco CO<sub>2</sub> Incubators



Model: CCL-170B- (Standard model)

## CelCulture® CO<sub>2</sub> Incubator\*

Available in 50L, 170L, and 240L models

### KEY FEATURES:

- Direct heat and air jacket
- Heat-resistant Infrared (IR) CO<sub>2</sub> sensor
- ULPA filtration system
- Inlet filter for gas inputs
- ISO Class 5 work zone
- Isocide™ antimicrobial powder coating
- Validated 90°C moist heat decontamination cycle
- With suppressed O<sub>2</sub> control (CCL-<sub>T</sub>- models)
- FDA-listed, Class II, 510k exempt medical device

## OVERVIEW OF MODELS

### CelCulture® CO<sub>2</sub> Incubator with Copper Interior Chamber\*

- 5°C above ambient to 60°C
- 90°C moist heat decontamination cycle
- Pure solid copper interior
- Available in 50L, 170L, and 240L models



Model: CCL-170-\_-Cu

### CelCulture® CO<sub>2</sub> Incubator with Integrated Cooling System\*

- 8°C below ambient to 60°C
- 90°C moist heat decontamination cycle
- Highly efficient peltier cooling system
- Available in 170L and 240L models



Model: CCL-170-\_-P

### CelCulture® CO<sub>2</sub> Incubator with Stainless Steel Exterior Cabinet\*

- 5°C above ambient to 60°C
- 90°C moist heat decontamination cycle
- Corrosion-resistant surface
- Available in 50L, 170L, and 240L models



Model: CCL-170-\_-SS

### CelCulture® CO<sub>2</sub> Incubator for In Vitro Fertilization

- 5°C above ambient to 60°C
- 90°C moist heat decontamination cycle
- With inner door kit for fast recovery of parameters
- Available in 50L, 170L, and 240L models



Model: CCL-170-\_-IVF

### CelCulture® CO<sub>2</sub> Incubator with High-Temperature CO<sub>2</sub> Sensor

- 5°C above ambient to 60°C
- 90°C moist heat decontamination cycle
- High-temperature CO<sub>2</sub> sensor
- Available in 50L, 170L, and 240L models



Model: CCL-170-\_-HITEMP

### CelCulture® CO<sub>2</sub> Incubator with High Heat Sterilization

- 5°C above ambient to 60°C
- 180°C high heat sterilization cycle
- Heat-resistant sensors
- Available in 170L and 240L models



Model: CCL-170-\_-HHS

### CelMate® CO<sub>2</sub> Incubator\*

- 5°C above ambient to 60°C
- 90°C moist heat decontamination cycle
- Available in 50L, 170L, and 240L models



Model: CLM-170B-\_-

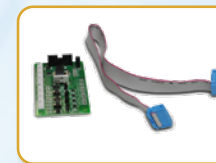
## OPTIONS AND ACCESSORIES



Humidity Display



CO<sub>2</sub> Backup



Analog Output



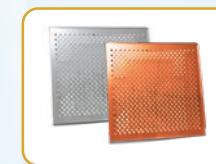
N<sub>2</sub> Backup



Floor Stand 200 mm (8.0") with Adjustable Feet



2-Stage Gas Regulator for CO<sub>2</sub>/N<sub>2</sub>



Extra Shelf (Stainless Steel) for Standard Stainless Steel Chamber/ Standard Copper Chamber



2-Units Floor Stand



Electronic Analyzer



Chart Recorder

\*Available with UV Lamp models