



High Temperature Sterilization Type Carbon Dioxide Incubator

180°C Dry Heat Sterilization Technology

- No need for consumables, one key sterilization, automatic completion

High-precision Infrared IR Sensor

- Temperature and humidity independent, resistant to high temperature of 180°C, sterilization without disassembly

7-inch Intelligent Touch Screen

- Real-time display of equipment operating status,
• Chinese/English one-key switching



Carbon Dioxide Incubator **MCO-170HS**

Carbon Dioxide Incubator MCO-170HS



Product Features

Dual Sterilization Mode

- Equipped with two sterilization methods as standard: 180°C high temperature sterilization and UV sterilization.
- Equipped with ozone-free UV lamp: it can irradiate the water tray and the whole air duct to kill the molds in the circulating air and water vapor in the humidifying tray in the cabinet, and it supports real-time sterilization in the process of cell culture.
- Equipped with air inlet HEPA filter: effectively filter bacteria and dust particles in CO₂ gas.

Precise Environmental Control

- Adopt direct heating type + air jacket system, fast heating speed, rapid recovery of temperature and humidity.
- Circulation air duct design, high space utilization rate, to ensure the uniformity of temperature, humidity, CO₂ concentration in the cabinet.
- With over-temperature protection function, can automatically cut off the incubator heating system, while emitting sound alarm prompts.



Flexible Application Design

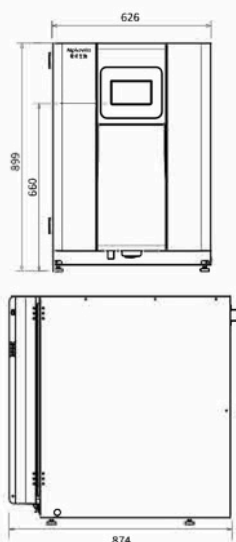
- Bi-directional door opening design, open direction can be selected according to the actual situation.
- Meet the stacking design, which can realize the synchronization of incubation and sterilization, save space and improve efficiency.
- Height adjustable casters can ensure the leveling of the unit even on uneven ground.
- The inner liner adopts stainless steel integrated large rounded corner design, which is not easy to corrode and easy to clean.

Intelligent Incubation System

- Support temperature setting in the cabinet, CO₂ concentration setting, operation information recording and USB data export, data storage for more than 10 years.
- Equipped with RS485 interface and remote alarm interface as standard, which can remotely monitor the operation of the equipment.
- With password protection mechanism, can set up three levels of user management rights.

Parameter

MCO-170HS dimensions(mm)



Model	MCO-170HS
External Dimensions(W×D×H)	626×874×899(mm)
Internal Dimensions(W×D×H)	490×525×666(mm)
Effective Capacity	170L
Weight	115kg
Exterior	Painted Steel
Interior	SUS304
Inner door	Tempered Glass
Shelf	Material:SUS304,multi-segment adjustment(×4)
Sterilization Method	Hot Air Sterilization(180°C)+UV Lamp 4W×1
UV Lamp	Ozone-free Type (standard)
CO ₂ % Control Range	0~20%
CO ₂ % Fluctuation	±0.15%
Heating Method	Direct Heating & Air Jacket System
Temperature Control Range	AT+5~50°C (AT 5~35°C)
Temperature Fluctuation	±0.1°C
Temperature Control Accuracy	±0.1°C
Moistening System	Natural Evaporation of Water Tray,95%RH±5%
Display	Touch Screen



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AU SERVICE DE VOTRE LABORATOIRE

izibio

Alphavita
BIO SCIENTIFIC

DISTRIBUTEUR OFFICIEL

Izibio Tech
58 RUE DE LA VICTOIRE 75009 PARIS - FRANCE
+33 1 4801 4814
contact@izibio.fr

@izibiotech