Alphavita
BIO SCIENTIFIC

CO_2 Incubator

MCO-170HS



High Temperature Sterilization CO_2 Incubator

180℃ dry heat sterilization technology

- No consumables need
- One-click sterilization
- Automatic completion

◉ Internal components are made of high-temperature resistant materials, no need to disassemble during sterilization.

CO_2 Incubator MCO-170HS

Product characteristics

Dual sterilization mode

- Standard configuration of two sterilization modes: 180 ℃ high temperature sterilization, UV sterilization;
- Equipped with ozone-free UV lamp: The water tray and the entire air duct can be irradiated. To kill the mold in the circulating air in the chamber and humidifier tray water vapor, and support real-time sterilization in the cell culture process;
- Equipped with air inlet HEPA filter: To effectively filter bacteria and dust particles in CO_2 gas;
- When the door is opened, the fan motor and CO_2 gas valve will stop automatically to reduce the risk of contamination.

Flexible application design

- Bi-directional opening design, the direction of the door can be selected according to the use;
- Designed to meet the stacking requirements, can be placed in double layers to save space;
- Equipped with standard RS485 and remote alarm port as standard, which can remotely monitor the operation of the equipment;
- With test hole and gas collection port for real-time monitoring of the situation inside the chamber;
- Height-adjustable casters can ensure the smooth placement of the equipment on uneven ground;
- The inner liner adopts stainless steel integration with large rounded corners design, which is not easy to corrode and easy to clean.

Precise environment control

- Equipped with high-precision infrared IR sensor, which is not affected by temperature and humidity, resistant to high temperature of 180℃, and needn't to remove it when sterilize;
- Heating wires of the six-sides of incubator body + three independent heating units, through the PID to ensure high-precision, highly stable temperature environment;
- Adopting direct heating + air jacket system, fast heating speed, rapid recovery of temperature and humidity;
- Circulation air duct design and high space utilization, to ensure the uniformity of temperature, humidity and CO_2 concentration in the chamber;
- With over-temperature protection function, which can automatically cut off the incubator heating system, and sounds alarm prompts at the same time.

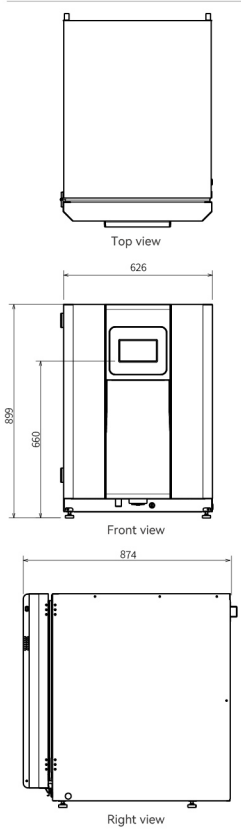
Intelligent culture system

- Support temperature setting and CO_2 concentration setting in the chamber, operation information recording and USB data export, and the data can be stored for more than 10 years;
- With high/low temperature alarm, high/low concentration alarm and other alarm functions;
- With password protection , three levels of user management rights can be set.

Technical parameters

Model	MCO-170HS
External Dimensions(W×D×H)	626×874×899(mm)
Internal Dimensions(W×D×H)	490×525×666(mm)
Effective Capacity	170L
Net Weight	108kg
Exterior	Painted Steel
Interior	SUS304
Inner door	Tempered Glass
Shelf	Material:SUS304,multi-segment adjustment(×4)
Sterilization Method	Hot Air Sterilization(180℃)+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℃
Temperature Fluctuation	±0.1℃
Temperature Control Accuracy	±0.1℃
Moistening System	Natural Evaporation of Water Tray,95%RH±5%
Display	7 Inch LCD Touch Screen

MCO-170HS Dimensions(mm)



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