

Multigas Incubator

MCO-170MP

Intelligent operation

+

Ozone-free UV lamp

+

Dual IR sensor

Precise control of temperature, CO₂ and O₂

Used in multiple research fields
such as antigen research and production, hybridoma cell production,
in vitro fertilization (IVF), stem cells, drug screening, etc.

IR sensor

- Dual IR sensor, more accurate temperature control

Touch Screen

- Set different user management permissions
- Multiple sets of different programs can be customized to meet customized cell culture needs
- It can display operating parameters and curves to intuitively understand the operating status of the equipment
- Responsive resistive screen design, can be operated with gloves
- Standard data tracking function with USB interface, convenient data storage and export

UV Lamp

- Unique air duct design allows air to circulate gently inside the cabinet
- The standard automatic sterilizing ultraviolet lamp can illuminate the water tray and the entire air duct, killing mold in the circulating air in the cabinet and the water vapor in the humidification tray.



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Feature



Precise control

- Dual IR sensor, not affected by temperature and humidity, more precise control of CO₂ concentration
- Zirconia sensor, real-time control of oxygen concentration
- Environment Fuselage six-sided heating wire, three independent heating units, dual induction backup system, through PID control to ensure high precision and stable temperature environment
- Chamber temperature accuracy 37±0.1°C



Humanized Design

- Can open the door in both directions as needed
- Meet the stack design, can be placed on two layers, saving space
- The reserved RS485 communication port can remotely monitor the operation of the device.
- The adjustable foot can ensure the stable placement of the device on the uneven ground



Intelligence

- 7 inch touch screen: Real-time display of parameters and curves intuitively understand the device operating status
- Set three level user management rights, standard data tracking function
- Industrial PLC controlled customized culture program: up to 4 sets of parameters, each set of 9 stages, to meet the needs of customized cell culture
- Standard USB interface, easy data storage and export
- Resistance screen design can wear gloves to operate, responsive Chinese and English one click convenient switch
- The inner liner adopts stainless steel integrated large rounded corner design, which is not easy to corrode and easy to clean
- With a test hole and gas acquisition port, it can detect the situation in the box in real time
- Product appearance design full of science and technology, novel style

Main heating unit

Provide accurate temperature control, the temperature accuracy in the box is guaranteed at 37 ± 0.1

Exterior door heating unit

- A.Prevent the inner door glass condensation, and avoid microbial contamination due to glass door condensation
- B.The temperature recovers quickly after opening the door

Bottom heating unit

Control the humidity inside the container by heating the humidifier disk



Parameters

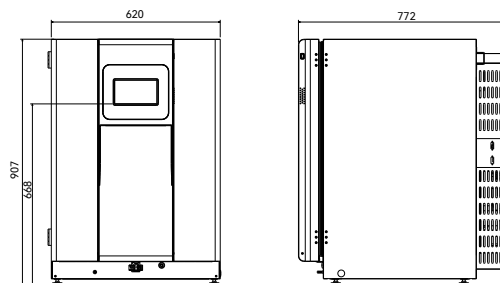
External dimensions	W620mm× D772mm× H907mm
Internal dimensions	W490mm× D525mm× H666mm
Effective capacity	Appex. 170L
Net weight	100kg
CO ₂ sensor	Dual IR sensor
O ₂ sensor	Single beam dual IR sensor
Heating method	Zirconia sensor
Temp range	AT+5°C ~ 50°C (AT: 5°C ~ 35°C)
Temp uniformity	±0.25°C
CO ₂ control range	0~20%
CO ₂ fluctuation range	±0.15%
O ₂ control range	2~18% () 、 22~80% ()
O ₂ fluctuation range	±0.15%
Humidification	Natural evaporation
Temp accurate	±0.1°C
UV Lamp	Ozone-free
Outer cabinet	Painted steel
Inner cabinet	SUS304
Inner door	Templed glass
shelf	SUS304
Control screen	Touch screen



Sterilization

- The standard UV sterilization lamp can irradiate to the water tray and the entire air duct to kill the mold in the circulating air in the box and the water steam in the humidifying tray
- Unique air duct design, so that the air can be gently circulated in the box
- CO₂, O₂ and N₂ intake valves are equipped with HEPA filters to effectively filter bacteria and dust particles in the gas.
- When the door is opened, the fan will automatically stop and the air valve will automatically close to prevent pollution and ensure the cell culture state

Dimensions(mm)



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