



MBINCO CO2 Incubator 170 L/60 L with hot air sterilization

Double layer door structure

LCD



Smart air circulation

Temp range: +3°C to +55°C



LCD Touch Screen

Touch screen with access code, allows continuous monitoring and control of temperature, humidity and CO2/O2



HEPA CO2 gas filter

High quality CO2 gas filter ensures the inside gas quality.



Opening for external access with a diameter of 170 L- 42mm/60 L - 8mm



IR CO2 sensor

The sensor requires no maintenance, is automatically calibrated and remains in the chamber during sterilization



Double layer door structure

Inner tempered glass door, provide samples observation without lost of temperature inside of the chamber

Sensitive far infrared CO2 sensor and automatic calibration function brings about accurate control of CO2 concentration.

- HEPA air filter to ensure a clean space ISO-Class 5.
- Breeze circulation system brings no effect to the cell culturing.
- USB output with software for collecting data on device operation, enter data for device settings.
- When the door is open, the fan will stop to keep from the convection of internal air and external air, and heating system will stop to prevent over temperature.
- Direct 6-side heating
- Stacking adapter - allows 2 incubators to stand on top of each other on a stand with wheels
- The device does not start counting down the set time until the set temperature is reached
- Membrane filter to remove impurities. All incoming gases pass through filters before entering the chamber
- Hidden UV lamp sterilizes the water in the humidification plate and the circulating air to make the experiment environment clean.
- Stand with wheels for CO2 incubator
- Adjustable direction of door opening meets different custom users.
- Internal door heating system keeps from moisture condensing.
- Air inlet HEPA DUF filters dust of which diameter is larger than 0.33um with efficiency of 99.97%, and minimize the pollution in the working chamber.
- Convenient PID operation: running with data set and time set, automatic shut-down based on setting, and automatic recovery to previous status after power outage and recovery .
- Double TFT colour display
- Program memorization in case of power failure
- Stainless steel chamber, material 1.4301 ASTM 304
- Special function key for temperature setting.

CO2 Gas automatic tank changer

- Compatible gas: inert gas (CO2, N2, Argon...)
- Gas inlet port: $\Phi 6\text{mm(OD)}$ tube quick connector



Temperature	Type	Direct Heat & Air Jacketed
	Range	RT+3°C to 55°C
	Uniformity	<±0.3C
	Accuracy	0.1°C
	Recovery	≤10 mins
	Ambient	18-34°C
Temperature sensor	2xPt sensor class A	
CO2 Digital control with auto diagnostic and acoustic indication	Controller	PID microcomputer
	Measuring and regulation range	0-20%
	Accuracy	±0.1%
	Sensor	NDIR
	Recovery	≤5 mins
	Sterilization	Automatic sterilization at 180°C dry heat up to 12h
Humidity	Mode	Integrated pan 3L capacity
	rH%	> 93% at 37°C
	Recovery	15mins
O2 (Optional tri-gas type)	Range	1~20.7%
	Accuracy	±1%
	Sensor	Zirconia
	Accuracy	O2% @ 1.0%: 24mins ; O2% @ 5.0%: 10mins
	Controller	PID microcomputer
Alarm and reminder	Visual and audible alarm	Ambient temp., rH%, CO2%, Water level, O2%, power failure
	Reminder	HEPA filter expiration, Shortage of gas
Cleanliness	Sterilization	Automatic sterilization at 180°C dryheat
		0.2um filter
		HEPA filter

Incubator Type		MBINCO170S	MBINCO60S
Specifications	Capacity	170 L	60 L
	Internal construction	The interior is made of 100% copper with rounded edges	
	Shelf Qty (standard)	3 perforated shelves made of pure copper	
	Max shelf Qty	Up to 7 optional	
	Max loading of each shelf	12kg	
	Power supply	AC220V,50/60Hz	
	Max. power	1000W	
	Stable power	42W	
	Internal Size (WxDxH) (mm)	470 x 600 x 570	
	External Size(WxDxH)(mm)	630 x 900 x 880	
	Shipping Size(WxDxH)(mm)	1135x730x965	
	N.W./G.W. (kg)	94/105	
Standard	Certificate for calibration at +37°C and 5% CO2		

Please note
 If this Incubator does not match the specific needs of your application, or some options are not listed for sale, please feel free to contact us. Our manufacturing engineers will come up with technical solutions to meet your needs. We reserve the right to change technical specifications at any time.

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