LCD

Smart air circulation

MBINCO Series CO2 Incubator
Double layer door structure

RT+5°C to 60°C

LCD Touch Screen
Easy to import, control parameter settings, temperature curve, CO2 concentration, run-time and timing

HEPA CO2 gas filter
High quality CO2 gas filter ensures the inside gad quality.

Internal UV Sterilization lamp
UV sterilization light, prevents contamination between two incubation cycles

IR CO2 sensor
High quality infrared sensor for accurate CO2 concentration

Double layer door structure
Inner tempered glass door, provide samples observation without lost of temperature inside of the cnamber

Sensitive infrared CO2 sensor and automatic calibration function brings about accurate control of CO2 concentration.
- HEPA filter installed inside ensures the inner air quality reaches level 100.
- Breeze circulation system brings no effect to the cell culturing.
- 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 wire heating, and air jacket design bring about short warming up time, no over temperature, and good uniformity.
- Air jacket temperature maintenance system.
- SUS 304 Cu mirror stainless steel chamber with foursquare arc transition design can keep from bacteria and experiment contamination.
- Antimicrobial coating
- Water container with perforated lid. A gentle flow of air over the surface of the water
- Hidden UV lamp sterilizes the water in the humidification plate and the circulating air to make the experiment environment clean.
- Double layer door design: reinforced glass internal door makes sure the saleability.
- 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.
- Adjustable alarms for temperature and CO2 concentration; over-temperature alarm, CO2 concentration abnormity alarm, and warning water level alarm.
- LCD display to view temperature and CO2 concentration settings.
- 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 .
- Special function key for temperature setting.
- Auxiliary menus make over-temperature alarm, deviation adjusting, and menu lock come true.
- The working chamber has rounded corners for easier cleaning.
- Assembly and disassembly of shelves without using tools.

Model	MBINCO50	MBINCO80	MBINCO170
Heating	Air jacked		
Volume	50L	80L	170L
Power Supply	220V/50Hz/ 350W	220V/50Hz 600W	220V/50Hz/ 650W
Control Type	Microcomputer controller		
Alarm	Audible and visual alarm; Over-temperature alarm; CO2 Concentration alarm		
Shelves	4 pcs / adjustable		
Shelves dimension mm W*D*H	305x308x16	305x400x16	470x476x16
Load per shelf (max)	15 kg		
Material	External cold-rolled steel with painting; Internal stainless steel 304		
Door	Inner door tempered glass, external door with heating		
Temperature Range ℃	RT+5 - 60℃		
Temperature resolution ℃	0,1℃		
Temperature accuracy ℃	±0.1℃ (at 37℃)		
Temperature uniformity ℃	±0.3 ℃ (at 37℃)		
Temperature recovery time (30 seconds after door opening, 98% from initial value)	≤ 5 minutes		
CO2 Concentration range	0~20%		
CO2 sensor	Infrared sensor (IR)		
CO2 precision	±0.1%		
CO2 Concentration fluctuation	±0,5%		
CO2 recovery time (30 seconds after door opening, 98% from initial value)	≤ 5 minutes		
Humidification Type	Water tank for natural evaporation		
Chamber Humidity	Up to 90%RH		
Sterilization Type	UV lamp		
Timer control	0-999h 59min or continuous		
Chamber size mm W*D*H	337x338x443	337x410x524	505x535x633
External size W*D*H	500x527x821	600x596x921	700x666x1101
Packing size	655x685x970	735x735x1070	795x835x1250
Standard configuration	LCD touch screen, USB port, high quality CO2 gas filter, the gas regulator, necessary hoses		
NW/GW	68kg/91kg	83/108kg	108/145kg

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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