MBINCOH CO2 Incubator with hot air sterilization at 140°C

High temperature uniformity

Download Catalogue

RT+5°C to 60°C

. The CO2 incubator is a device for in vitro culture of cells/tissues, which can simulate the growth environment of cells/tissues in the chamber, such as constant pH (pH: 7.2-7.4) and stable temperature. (37°C), high relative humidity (90%), stable CO2 level (5%).

- Air jacket: with 140 ℃ hot air sterilization function.
- Equipped with USB port and LCD touch screen, the incubator can save data in real time.
- High quality infrared CO2 sensor for accurate CO2 concentration.
- The working chamber adopts round angle structure, easy to clean.
- High quality HEPA filter ensures the inside gas quality.
- SMC brand gas circuit valves ensure more stable gas concentration and less consumption of gas.
- The internal components do not need to be disassembled during sterilization, which is convenient and simple to use.
- Standard accessory: 7.0" touch screen, CO2 two-stage pressure reducing valve, USB port, HEPA filter, Water tank.
- Microcomputer controller

HEPA Filter

Intelligent PID controller
Microprocessor controlled temperature with timing function provide minimum temperature deviation

Timing Function with alarm
Integrating timer function with alarm 0-999h or continuous

LCD touch screen display

ITEM	MBINCOH 80	MBINCOH 160
Working/Chamber Volume L	80	160
Type	Air jacket	
Temperature range	Rt+5 - 60°C	
Ambient temperature and Humidity	5 – 30°C, suggest 25± 2 °C; relative humidity ≤80%	
Temperature resolution	0,1°C	
Temperature uniformity at 37°C	± 0.5 °C	
Temperature fluctuation at 37°C	± 0.3 °C	
CO2 range	0-20% Infrared sensor	
CO2 control resolution	0.1 %	
CO2 uniformity	± 0.2 %	
Filter	HEPA filter	
Display type	LCD 7.0" touch screen	
Data store	USB interface	
Temperature control mode	Two temperature section PID intelligent, sensor deviation correction, auto tuning	
Sterilization	140°C hot air sterilization	
Adjustable exhaust air flap with stainless steel cap	Inner Ø35 mm on top	
Time setting	0-999h or continuous	
Alarm	Audible and visual alarm; Over-temperature alarm; gas Concentration alarm	
Housing	External: Cold-rolled steel with painting; Internal: stainless steel	
Door	Single door with heating function	
Humidification type	Water tank for natural evaporation	
Sterilization type	With 140℃ hot air sterilization function	
Temperature sensor	PT100	
Caster	Foot master caster	
Operation function	Temperature settings, timing function, auto stop, internal parameter locking, temperature correction, auto tuning, and parameter memory in the case of electrical cut off, over temperature sound and light alarm, error status alarm.	
Standard shelf number	2	
Load per rack (max)	16kg	
Voltage	220V±10%,50-60Hz (standard), 110V±10%, 60Hz (optional)	
Consumption	650W/1900W (hot air sterilization)	700W/1950W (hot air sterilization)
Inner chamber size W*D*H mm	400*352*576	460*551*646
Outer dimension W*D*H	620*596*1007	710*786*1107
GW kg	110	135
Standard Temperature Certificate	At 40°C in the chamber centre Issued by COLO technical service	
Temperature certificate (optional)	One or multi point temp, mapping, issued by accredited laboratory	
Test hole	Yes	
Optional accessories	Shelf, RS485 interface, Printer, Program Temperature Control device, Remote control, WF control, Temperature Controller with ramp settings	

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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