



# MBINC Laboratory Cooling Incubator

Double layer door structure -10-100°C

LCD



Smart air circulation

Download Catalogue



**-10°C to 100°C**



## Smart air circulation - automatic fan

With smart air circulation microprocessor control, MBINF provide higher temperature uniformity in the chamber



## Intelligent PID controller

Microprocessor controlled temperature provide minimum temperature deviation



## Internal UV Sterilization lamp

UV sterilization light, prevents contamination between two incubation cycles – (optional for MBINCA)



## Double over heating protection

Additional double heating protection, prevent samples overheating and loss it



## Double layer door structure

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

The COLO MBINC incubators are designed to be the ultimate device in your laboratory where you can, under precise temperature conditions, cultivate bacteria for microbial testing, incubating of cell cultures for in vitro fertilization...

Precision temperature sensor, programmable thermo controller, interior and exterior made of high quality materials, will give your work precision and comfort. Different types with above and below room temperature, CO2 incubators, incubators with shaking, with light it will help you to perform stability test in pharmacy, industry, medicine research ...

Preheating Chamber

Interior Tempered Security Glass Door

Door heating to increase temperature uniformity

Fan speed adjustment

four casters two with locking brake

Access Connector With Silicone Plug 30mm

High precision real time programming controller with segments, ramps for temperature and timer

Forced air circulation microprocessor controlled, provide high temperature uniformity in chamber and protect your samples. High quality corrosion resistant material is ideal for easy cleaning and long term exploitation, Short heat up time save your time during the work process. High quality insulation prevents heat loss and saves your energy. Forced ventilation for all type MBINC cooling incubator provides temperature uniformity and indicator display setting and actual temperature in chamber.

- **MBINC – LCD** display, self-diagnostic function, over temperature limited, ø52mm test hole, inner glass door inner chamber light...
- **MBINCC – LCD** display, self-diagnostic function, over temperature limited, ø52mm test hole, inner glass door, inner chamber light, proper programming controller with 30 temp and time ramp, intelligent cooling and defrosting system, auto running and auto stopping, timer monitor, independent temperature safety device...
- **MBINCD – LCD** color display, self-diagnostic function, additional temperature limit protection, ø50mm test hole, intelligent cooling and defrosting system, self-adjusting fan speed to sample protect, inner glass observation window,
- **MBINBOD – BOD INCUBATOR LCD** color display, self-diagnostic function, additional temperature limit protection, programming controller with 30 temp and time ramp ø43mm test hole, intelligent cooling and defrosting system, self-adjusting fan speed to sample protect, inner glass observation window...

Incubator Type	MBINC70	MBINC145	MBINC245	MBINCC70	MBINCC145	MBINCC245
	MBINCD70	MBINCD145	MBINCD245	MBINCBOD70	MBINCBOD145	MBINCBOD245
Volume Litre	70	145	245	70	145	245
Air Circulation	Forced Air Circulation (Convection) with smart fan regulation system					
Temperature range	-10 - 100°C					
Temperature resolution	0,1°C					
Temperature variation at 37°C	0,2°C					
Temperature fluctuation at 37°C	0,1°C					
Display type	LCD					
Temperature control mode	Two temperature section PID intelligent, sensor deviation correction, self-tuning,					
Ramp programming 30 steps	○	○	○	●	●	●
Monitor timer	○	○	○	●	●	●
Timer	0-9999min with timing wait function					
Test hole	Ø52mm	Ø52mm	Ø52mm	Ø43mm	Ø43mm	Ø43mm
Housing	Cold rolling still with electro static spraying exterior					
Temperature sensor	Pt100 A class					
Inner chamber light	Yes					
Additional light on the side	4 or 8 lamps (optional)					
Inner glass observation window	Yes					
Auto fan speed regulation	Yes					
Self-diagnostic function	Yes					
Noise level	53dB					
Cooling method	Compressor CFC free					
Sterilization	Hot air at 100°C or UV lamp included					
Independent temperature safety	No			Yes		
Operation function	Temperature settings, timing function, auto stop, internal parameter locking, temperature correction, auto tuning, parameter memory in the case of electrical cut off. Fault, end process, over temperature sound and light alarm					
Standard shelf number - stainless steel	2					
Optional shelf number (max)	9	12	18	9	12	18
Load per shelf (max)	15kg					
Voltage	220V±10%/50-60Hz					
Power	0.8kW	1.0kW	1.2kW	0.8kW	1.0kW	1.2kW
Inner power supply socket IP65 (220V)	●	●	●	●	●	●
Inner chamber size mm	420*350*500	500*500*600	650*787*483	420*350*500	500*500*600	650*787*483
Outer dimension	640*550*750	850*1250*800	920*1460*800	640*550*750	850*1250*800	920*1460*800
NV/GV kg	65/110	120/159	130/180	65/110	120/159	130/180
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					
Optional accessories	Shelf, RS485 interface, Printer, Program Temperature Control device, Remote control, Wi-Fi Smart phone control, Temperature Controller with ramp settings, USB data storage, Touch Screen Display, Calibration certificate, Service Certificates,					

**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.

## COLO LabExperts

Laboratory Equipment production and Distribution

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