

# CO2 INCUBATOR WATER JACKETED INC071-170



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Replace traditional button operation to touch screen interface

It can display on time performance curve. You can check the temp., humidity and CO2 concentration three group curves changes at the same time. And abnormal alarm and door open or close message

PT100 temp. sensor keeps inside chamber temperature accurate. It can adjust the heating power according to the temp. differences between actual temp. in the chamber and set temp. to make sure temp. in the chamber is accurate

Water jacket heating method to ensure working chamber temperature is uniform, when it is power off, the chamber can maintain the temp. for a long time.

All data can be stored through RS485 port, if any failures, user can read the diagnostic message and data from computer at any time

The ultraviolet lamp can sterilize the chamber regularly. It kills chamber recycle air bacteria and float bacteria from water tray or slop water in the bottom, effectively prevent pollution during cell culture period

CO2 access port equips micro biological HEPA filter, it can filters diameter  $\geq 0.3\mu\text{m}$  Particles like CO2 gas bacteria and dust, the efficient reaches to 99.99%

Cycle fan speed can be adjusted automatically. When chamber temp. is stable, the fan speed will be lower down, the speed will be adjusted to a suitable speed that the cell can growth

Cycle fan avoids the fast fan speed that evaporating the samples

CO2 inlet control system has pressure protection function, it prevents over pressure or low pressure to the pipes

Chamber sensor failure alarm

Door temp. sensor failure alarm

CO2 condensation too high or too low alarm

Independent temp. limiter alarm

Door open too long alarm

Disinfection and sterilization status reminder

## SPECIFICATIONS

Model	INC071-170
Capacity	170 L
Electrical requirement	AC 220 V / 50 Hz
Input Power	700 W
Heating power	Water jacket
Temp. control range	RT+5 - 50°C
Work environment temp	+5 - 30°C
Temp. accuracy	$\pm 0.1^\circ\text{C}$
CO2 control range	0 - 20 %
CO2 control accuracy	$\pm 0.1\%$ (IR sensor)
CO2 restore time	(Door open 30s, recovery to 5%) $\leq 3\text{min}$
Temp. restore time	(Door open 30s, recovery to 37°C) $\leq 8\text{min}$
Related humidity	Nature vaporate > 95%(Can equip with related humidity digital display)
Chamber size	530Wx460Dx720H mm

Overall size	684Wx700Dx960H mm
Standard shelves quantity	3 pcs
Sterilization	UV sterilization+HEPA sterilization

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