

DCP-160T Co2 Incubator

Features

- The six-sided heating method ensures a uniform temperature distribution throughout the entire incubator, and after stabilization, the temperature uniformity within the incubator reaches $\pm 0.4^{\circ}\text{C}$.
- The 90°C high-temperature and humid sterilization system can effectively eliminate various microorganisms such as bacteria, molds, and mycoplasma on the inner surface of the container, thereby preventing microbial contamination that may affect cell culture and providing a safe experimental environment for users.
- The CO₂ intake port is equipped with an efficient microbial filter. For particles with a diameter of $0.3\text{ }\mu\text{m}$ or larger, the filtration efficiency is as high as 99.99%, effectively filtering bacteria and dust particles in the CO₂ gas.
- Intuitive control is easy to operate. It can display real-time operation curves. The historical operation curves are located on the upper part of the outer door, which is convenient and easy to control. The touch control is sensitive and the operation experience is good. There are sound and visual alarms, screen menu prompts, and the alarm records can be queried.
- Infrared (IR) CO₂ sensor, which can stably monitor the cultivation environment, effectively avoids the measurement deviation caused by frequent opening and closing of doors and locks.
- The incubator is equipped with a fan to assist in air circulation, ensuring that all cells, regardless of their placement, have the same environmental conditions and will not lose water excessively when the incubator is turned on.
- The design of the base reservoir ensures a large evaporation area, and the humidity recovers quickly after closing. It guarantees a high humidity environment inside the incubator. Under normal room temperature conditions, even when high humidity is generated, condensation is unlikely to occur above the cabin.
- Historical data can be viewed, monitored and exported via USB interface. The historical data cannot be modified and can truly and effectively trace the original data.



Specifications

Model	DCP-160T
Display mode	7-inch touch screen
Temperature control range	Room temperature: 5 - 60°C
Temperature sensor	PT100
Temperature control accuracy	±0.1°C
Temperature control fluctuation degree	≤±0.2°C
Temperature uniformity	≤±0.4°C (37°C)
Temperature recovery time (1 minute after opening the door)	≤ 5 minutes
CO2 control range	0-20%
CO2 control accuracy	±0.1%
CO2 concentration sensor	Imported infrared (IR) sensor
CO2 alarm	≥ ±0.1% (adjustable)
CO2 intake filtration efficiency	99.99%
CO2 recovery time (1 minute after opening the door)	≤ 6 minutes
Humidification method	Natural evaporation
Relative humidity	85%RH
Distilled water capacity	4L
Inner tank structure	Four curved sides, reservoir-shaped at the bottom
Sterilization method	Available with 90°C high-temperature and high-humidity environment / UV ultraviolet disinfection option
High-efficiency filter at the air inlet	1
Power supply	AC220V50/60Hz
Rated power	800W
Overall dimensions (mm)	675*695*975
Inner liner dimensions (mm)	480*480*698
Volume	160L
Standard partition quantity	3 pieces
Maximum partition quantity	12 pieces
Optional accessories	Humidity display, printer, monitoring software