

DCP-85E Co2 Incubator

Features

- It has the functions of viewing real-time curves such as temperature and CO2 concentration, as well as historical data curves.
- It has the functions of data recording, downloading and exporting (USB flash drive export, in two formats: CVS and PDF).
- It has the functions of fault alarm and fault information viewing.
- UV sterilization function: It can regularly sterilize the inside of the box, effectively preventing contamination during cell culture.
- Microbial filter: The CO2 inlet is equipped with a microbial filter, which has a filtration efficiency of up to 99.99% for particles with a diameter greater than 0.3μm.
- 4.3-inch touch screen control display, with real-time monitoring and control of parameters such as temperature and CO2 concentration;
- The controller has a locking function to prevent accidental operation.
- PT100 temperature sensor, ensuring precise control of the temperature inside the box;
- Six-sided heating: The outer box door is equipped with a heating function, which can effectively prevent the formation of condensation water and facilitate the observation of the experimental process.
- Set temperature alarm, over-temperature alarm, CO2 concentration alarm, and disinfection and sterilization status indication. Support both text and sound alarm functions.
- It can effectively control the intake efficiency of CO2, preventing the influence on intake stability caused by excessive or insufficient pressure.
- Using an infrared IRCO2 concentration sensor, the control is stable and the service life is long.
- The product is equipped with a three-level permission management function, which enables different personnel to operate at different levels.



Specifications

Model	DCP-85E
Volume (L)	80L
Power supply voltage	220V50Hz
Heating method	Air sleeve type microcomputer PID control
Temperature control range	RT+3°C-60°C
Working environment temperature	5°C-30°C
Temperature fluctuation degree	±0.1°C(At 37 degrees Celsius)
Temperature uniformity	±0.3°C(At 37 degrees Celsius)
CO2 control range	0%-20%
CO2 control accuracy	0.1%
CO2 recovery time	The temperature returns to 5% in 30 seconds after opening the door.
Temperature recovery time	The temperature returns to 37°C in 30 seconds after opening the door.
Relative humidity	Natural evaporation is ≥ 90%.
Inner liner dimensions (mm)	400*415*515
Overall dimensions (mm)	590*600*920
Loading compartment (standard/maximum)	3/7
Sterilization method	Ultraviolet sterilization