



Nahita CO2 incubator

Code JBB020 - Model R50
Code JBB021 - Model R150

The Nahita CO2 incubator can provide the right environment to stimulate the growth of microorganisms, cells and tissues. It finds application in cell kinetics research, mammalian cell culture, studies of carcinogenic or toxicological effects of various physical and chemical factors, antigen research and production, stem cell, tissue engineering, drug screening and other research fields.



Intelligent microcomputer control

It is possible to export the data to a USB stick.

- High quality, high temperature resistant infrared CO2 sensor.
- Intelligent microcomputer control
- Six-sided heating. Forced convection ensures excellent uniformity of temperature, gas concentration and humidity.
- Dry heat sterilisation function at 140°C. Total cycle time is less than 12 hours and can be performed automatically overnight.
- The working chamber and trays are made of mirror polished stainless steel.
- Built-in pump, convenient for removing humidifying water from the bottom of the chamber.
- 7-inch LCD colour touch screen.
- When the programmed time is reached, the system will automatically enter the operating state.
- Two options available: timing from constant temperature and timing from start-up.



Door control function. The opening of the inner glass door is detected, and the CO2 supply is automatically cut off, the fan stops and the heating stops.

Temperature, gas concentration, open door, etc. alarms.

Possibility of humidification by means of a tray with water or by pouring water into the lower tank of the chamber.



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Reference	JBB020	JBB021
Temperature range	RT + 5°C - 60°C	
Temperature resolution	0,1°C	
Temperature fluctuation	±0,1°C	
Accuracy of temperature distribution	≤0,3°C (to 37°C)	
CO2 concentration control range	0-20 %	
CO2 concentration fluctuation	±0,5 %	
Humidity in the chamber	≥90 % (37°C)	
Chamber and trays material	Stainless steel with mirror surface SUS304Cu	
Outer material	Cold-rolled steel plate with high chemical resistance coating	
Thermal insulation material	Alumina silicate fibre	
Heating element	Silicone heating patch	
CO2 input	Ø 6mm	
CO2 filter	DUF	
Temperature control	Fuzzy PID control	
CO2 concentration monitoring	Fuzzy PID control	
Temperature sensor	PT100	
CO2 concentration sensor	Infrared type	
Sterilisation function	Dry heat sterilisation at 140°C	
Mode of operation	Constant value operating mode, programme operating mode	
Chamber volume	50 L	150 L
Chamber dimensions	350x380x380 mm	500x500x600 mm
External dimensions	660x610x685 mm	777x687x900 mm
Net weight	60 kg	95 kg
Power	0,6 kW	0,95 kW
Power supply	220VAC, 50/60 Hz	