

CO₂ Incubators | Air Jacket Type, Dry Heat Sterilization

IPE610

Overheating
PreventerSelf-diagnostic
FunctionOvercurrent
Leakage Circuit
Breaker

Operating temp. range RT+5~60°C

CO₂ concentration adjustment range 0~20%

Temp. uniformity ±0.3°C

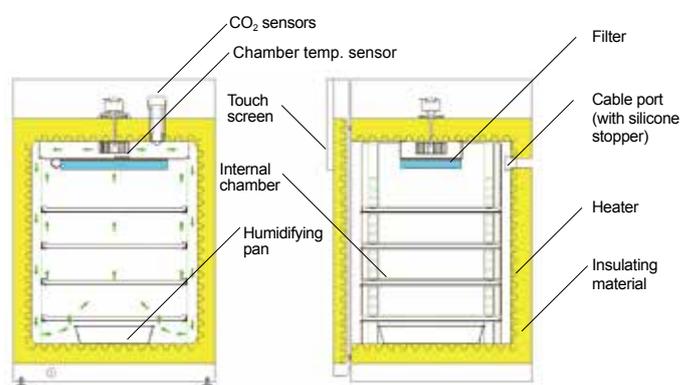
Internal capacity Approx.185L

Considered the least contamination risk, air jacket CO₂ incubator with HEPA filter and dry heat sterilization function.



Features

- Dry heat sterilization at 160°C, 2 h according to pharmaceutical standards. Equipped with a program that can perform dry heat sterilization at 160°C for 2 h. HEPA filter continuously filters the air inside the chamber, reducing the risk of contamination to samples. Inner door is made of reinforced glass, allowing observation of the interior.
- High-precision, long-life CO₂ sensor can perform dry heat sterilization at 160°C without removal. CO₂ sensor contamination is no longer an issue.



[Cross-sectional diagram]

Specifications

Model	IPE610	
System	Air jacket type with dry heat sterilization function	
Performance	Temp. control range	Room temp. +5~60°C
	Temp. fluctuation	±0.1°C (at 37°C)
	Temp. uniformity	±0.3°C (at 37°C)
	Operating humidity range	Above 90%RH
	CO ₂ concentration adjustment range	0~20.0%
	CO ₂ concentration control accuracy	±0.2% (at 37°C, CO ₂ concentration: 5%)
Composition	Touch screen	7-inch color touch screen
	Exterior/door	Cold rolled steel plate with chemical proofing coating
	Internal chamber/inner door	Stainless steel plate/tempered glass
	Door opening method	Standard right opening door (can be changed to left opening door)
	Insulating material	Glass fiber
	HEPA filter	Dust collection efficiency: 99.97% for 0.3µm particles
	Chamber temp. /water bath water temp. sensor	Pt100 thermistor
	CO ₂ sensors	Infrared method (new single light, dual wavelength method, no drive part)
	Independent overheat prevention sensor	K-type thermocouple
	Heater	900W
Safety device	Cable port	Φ32mm back side
	Others	Adjustable feet, CO ₂ sample port (OUT), temperature output terminal, CO ₂ concentration output terminal, external alarm output terminal, various records display, trend graph, USB data export port
Specifications	Overcurrent leakage protection switch, independent overheat prevention device, temperature upper and lower limit abnormalities, CO ₂ concentration upper and lower limit abnormalities, self-diagnosis function, door open alarm, key lock	
	External dimensions	W660×D650×H1020mm
	Internal dimensions	W540×D520×H665mm
	Internal capacity	Approx. 185L
	Shelf dimension/layers/spacing	W471×D540/15 layers/30mm
	Shelf material/load capacity	Stainless steel shelves/about 7kg/layer
Power supply (50/60Hz) rated current	AC220V 4.2A	
Accessories	Shelf support installation plate 2 pieces, shelf support hanging bars 4 pieces, shelves 4 pieces, shelf supports 8 pieces, humidifying pan 1 piece, silicone stopper for cable port 2 pieces, CO ₂ supply hose 2m, hose clamp 2 pieces, humidifying pan cover 1 piece, sampling tube	

1 Sterilizers

2 Granulation and Spray Dryers

3 Muffle Furnaces

4 Ovens

5 Incubators

6 Plasma Equipment

7 Water Purifiers

8 Baths

9 Water Circulators

10 Rotary Evaporators

11 Freeze Dryers & Cold Traps

12 Stirrers & Shakers

13 Washers

14 Analysis and Test Devices

15 Options