ADVANCE SCIENCE

INNOVATION | PRECISION | PERFORMANCE

CO_2 INCUBATOR

Model No. : AS-CI-170

Advance Science CO_2 Incubator (Model : AS-CI-170) is designed to provide a precise and stable environment for cell culture applications. It ensures accurate control of temperature and CO_2 concentration for optimal cell growth, with reliable performance and uniform distribution.



Specifications

Capacity in liters	170
Temperature management range (°C)	5 to 50
Incremental increase (°C)	0.1 degree
Temperature accuracy	+ 0.4 °C at 37°C
Temperature stability	+ 0.2°C at 37 °C
CO_2 gas range (%)	0.1 – 20
Incremental variation in CO_2 gas range	0.10%
Gas uniformity	±0.1% at set 5.0% CO_2 concentration at 37 °C set temperature
CO_2 recovery rate	At least of 6 min after door opening and closing event to attain 5% CO_2.
Operational gas pressure range (psi)	8 to 20
Dry Heat Sterilization temperature (°C)	180
Maximum Dry Heat Sterilization time (hour)	1
Provision of display for temperature and alarm control	Yes
Inner chamber material	Stainless Steel
Inner chamber formation design	Single Sheet with no cornerfor higher capacity
Inner chamber should be easily cleanable	Yes
Standard perforated shelves provided	Yes
Number of shelves provided	3
Shelves material	Stainless Steel

Key Features

Wide Temperature Range
5 to 50°C with high accuracy and stability

CO_2 Control Range
0.1 – 20% with uniform distribution

Fast CO_2 Recovery
≤ 6 minutes to attain 5% CO_2 after door opening

Dry Heat Sterilization
180°C for up to 1 hour

Stainless Steel Inner Chamber
Single sheet design, easy to clean, higher capacity

Perforated Stainless Steel Shelves
3 shelves provided

Digital Display & Alarm Control
For temperature and CO_2 monitoring

Reliable & Efficient Performance
Ideal for cell culture and research applications



Digital Control Panel



Stainless Steel Inner Chamber with Perforated Shelves



Robust Door Handle with Lock

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