

HYPOXIA INCUBATOR

Hypoxia incubator includes a Gas controller and incubators. The hypoxia incubator (without temp control) can be placed inside an incubator while the Gas controller remains outside.



Hypoxia incubator with temperature control



Hypoxia incubator



Two/Three-channel Hypoxia Incubator:
Chambers can be controlled by a single controller and each chamber can be set to different O₂ or CO₂ concentration

Application Field

- Cancer research (HIF)
- Stem cell research
- Respiratory disease
- Sleep disorders
- Altitude sickness
- Gene expression

Specifications

- **Accurate gas control system**

- CO₂ cell culture mode:
CO₂ control range: 0.1% - 20.0%, in increments of 0.1%
- Hypoxia cell culture mode:
O₂ control range: 0.1% - 23.0%, in increments of 0.1%
CO₂ control range: 0.1% - 20.0%, in increments of 0.1%
Programmable four-stage hypoxia cycle

- **Sensor calibration**

One-touch calibration for O₂ and CO₂ sensor

- **Temperature control range**

5°C above ambient up to 45°C , in 0.1°C increments

- **Humidity control range:** Room humidity to 75%

- **Optional Two/Three-channel gas controller**

- **Hypoxia incubator inner size (mm)**

Small incubator without temp control: 320(W)*280(D)*140(H) (Black or Clear)

Large incubator without temp control: 320(W)*280(D)*210(H) (Black or Clear)

- **Hypoxia incubator with Temperature control** (Inner size)

Incubator with temperature control: 350(W)*290(D)*270(H) (Black or Clear)

- **Data recording**

USB data logging system with continuous data storage in Excel: time, date, O₂ (set/actual), CO₂ (set/actual)

- **Gas environment recover rapidly**

Door opening recovery 1% O₂ level in 70 seconds

Standard System

- Four-stage Hypoxic Cycle
- USB data logging system
- Sensor calibration

Optional System

- Cylinder low pressure alarm
 - Temperature control
 - Cable gland
 - High oxygen mode
 - Anaerobic mode
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Customised Enclosures

