WHEATON | Incubators

Proven Tools for Life Science Research

BioWISE™

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Standard & CO_2 Incubators

Whether you're growing bacteria in an academic setting or engineering CHO cells in a biotech lab, Wheaton Standard Incubators are a must for most microbiology applications. Our Standard Incubators are used in many industries and protocols.

Wheaton CO_2 Incubators are among the most common pieces of equipment designed to accommodate Wheaton Roller Culture Apparatus used in laboratories. They are designed for tissue and cell culture applications. The Wheaton CO_2 Incubators control two essential variables related to replicating the mammalian environment: stable CO_2 level and temperature. CO_2 Incubators allow these variables to work together to create an ambient environment for cells to thrive. The result is a balanced, controlled pH (7.2-7.4), stable temperature (37°C), high relative humidity (95%), and controlled CO_2 level (5%).

The IR sensor is the most sophisticated technology for CO_2 detection and control. Since the IR sensor is unaffected by changes in temperature or humidity, it is especially ideal for applications in which the incubator door is opened frequently.

Control Panel

Pictured with Wheaton BioStir®, Micro-Stir® and 3 Deck R_2P™

Includes 4 Internal Receptacles

Notched Floor, designed for use with Wheaton Roller Culture Apparatus

Specifications:

Specifications are for Standard & CO_2 Incubators unless specified otherwise

CONSTRUCTION:

External: .....Painted Steel
Internal:
Standard .....Painted Steel
CO_2 .....Stainless Steel
Door Weight:.....75 lb (34 kg)

Shelf Weight Maximum: .....80 lb (36 kg)

Shelves Per Unit Maximum: .....12 Shelves (sold separately)
(Recommend not blocking perforated shelf surface by more than 60% to allow adequate air flow.)

Thermal Factor: R13
Accept standard cleaning chemicals

CO_2 GAS: Gas shuts off when door is opened or switch is turned off

CO_2 Connection: .....1/4" (6.35 mm) hose barb
CO_2 Concentration Range: .....0-20% adjustments in 0.1% increments
CO_2 Pressure to Indicator Inlet: .....Rated @ 5-40 psi (0.345-2.76 bars) not to exceed 40 psi (2.76 bars)
CO_2 Recovery time When Door is Opened and Closed:

10 Second Opening.....Instantaneous
30 Second Opening.....10 minutes

ELECTRICAL / ELECTRONICS:
Requirements: .....120-240 VAC, 1500 watts
Power Switch: .....On/Off rocker switch
Temperature Keypad: .....Digital indicator & actuator keypad
AC Receptacles: .....Four internal (customized for voltage differences)
Heating Light: .....One

Setting maintained if power is interrupted:
Circuit Breaker:.....None on CE Units (CE units include fuse)
Failsafe Feature:.....Secondary mechanical high limit thermostat with indicator light

TEMPERATURE:

Heat:.....Forced-air circulation with digital temperature control
Temperature Range:.....Ambient +8 to 70°C (empty incubator)
Temperature Uniformity:.....To ±0.5°C @ 37°C (empty incubator)
Sensitivity:
Standard Incubator:.....±0.1°C
CO_2 Incubator:.....±0.1°C

DIMENSIONS:
Capacity:.....40 cubic feet (1.1 m^3)
Dimensions W x D x H:
Interior:.....35 x 26 x 76" (89 x 66 x 193 cm)
Exterior:.....41 x 34 x 87" (104.2 x 86.4 x 221 cm)
Weight:
Net Weight: .....730 lb (331 kg)
Shipping Weight:.....850 lb (386 kg)

Ordering Information

Cat. No.	Plug Style	Voltage	Qty/Case
Standard Incubator			
753680	North America	120 VAC	1
W753684-C-E	Continental Europe	230 VAC	1
W753684-D-E	United Kingdom	230 VAC	1
W753684-F-E	Australia/China	240 VAC	1
W753684-G-E	Italy/Chile	230 VAC	1
W753684-J-E	India	230 VAC	1
CO_2 Incubator			
I057606	North America	120 VAC	1
WI057606-C-E	Continental Europe	230 VAC	1
WI057606-D-E	United Kingdom	240 VAC	1
WI057606-J-E	India	230 VAC	1

Incubator Shelves (Not supplied with incubators)

Cat. No.	Description	Qty/Case
753685	Shelf for Standard Incubator	1
WI056028	Shelf, Stainless Steel for CO_2 Incubator	1

Pictured with Wheaton $R_2P^{™}$ Roller Culture Apparatus

WHEATON Science Products
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