

VWR[®] CO₂ Incubators

01. CHOICE

02. CONFIDENCE

03. VALUE



Feel confident that VWR® CO₂ Incubators provide you with selection, performance, and quality

Advanced technologies and contamination controls are designed to provide a safe growth environment for your cultures. Our family of CO₂ incubators include water jacketed and air jacketed configurations to meet specific culturing preferences and a wide range of solutions to meet capacity and budget needs.

A choice of platform designs and capacities to meet your specific culturing preferences.

- Capacities ranging from 1.4 to 6.5 cu. ft.
- Water jacketed models for outstanding temperature stability
- Low maintenance air jacketed models with high temperature decontamination cycles
- Choose between thermal conductivity or infrared CO₂ sensors to meet preference and application needs

Feel confident that your cultures are in a stable and protected growth environment.

- Fan-assisted airflow designed for rapid recovery and uniform conditions
- In-chamber probes and sensors designed for precise control
- Dual temperatures for over-temperature protection
- Enhanced contamination control technologies include HEPA filtration and high temperature decontamination

Exceptional value for your lab.

- Polished, high-grade stainless steel chambers
- No upgrades required - advanced technologies are standard
- Choice of small capacity model for low volume culturing needs
- Stackable models available to maximize lab space
- Three-year parts and labor warranty for peace of mind



The choice is yours

CO₂ SENSORS

Thermal conductivity (TC) sensors traditionally provide reliable, long lasting operation. Sensors also provide stable CO₂ control with consistent humidity and temperature, ideal for everyday cell culture applications.

Infrared (IR) sensors monitor CO₂ independent of temperature and humidity, which is ideal for sensitive cultures or remote monitoring applications.

CHAMBER DESIGN

Choose between a water jacketed incubator for added security of thermal stability, or an air jacketed incubator for low maintenance and added convenience with high temperature decontamination.



CO ₂ Incubator Model	Water Jacketed
Capacity, cu. ft.	6.5
CO ₂ Sensor	TC or IR
In-Chamber HEPA Filtration	X
On-Demand High Heat Disinfection Cycle	
Rear Access Port	X
Stackable	
3-Year Warranty, Parts and Labor	X



CO ₂ Incubator Model	Air Jacketed
Capacity, cu. ft.	6.5
CO ₂ Sensor	TC or IR
In-Chamber HEPA Filtration	X
On-Demand High Heat Disinfection Cycle	140°C Dry Heat
Rear Access Port	X
Stackable	
3-Year Warranty, Parts and Labor	X



CO ₂ Incubator Model	Air Jacketed, Basic
Capacity, cu. ft.	5.3
CO ₂ Sensor	TC
In-Chamber HEPA Filtration	
On-Demand High Heat Disinfection Cycle	90°C Moist Heat
Rear Access Port	X
Stackable	
3-Year Warranty, Parts and Labor	X



CO ₂ Incubator Model	Air Jacketed Mini
Capacity, cu. ft.	1.4
CO ₂ Sensor	TC
In-Chamber HEPA Filtration	
On-Demand High Heat Disinfection Cycle	
Rear Access Port	
Stackable	
3-Year Warranty, Parts and Labor	X



In-chamber HEPA filters protect your cultures by filtering the entire chamber every 60 seconds, achieving cleanroom Class 100 conditions.

VWR® WATER JACKETED CO₂ INCUBATOR
OUTSTANDING TEMPERATURE STABILITY AND SECURITY

The VWR® Water Jacketed CO₂ Incubator protects your cultures from unwanted heat loss by surrounding them with triple walled construction and a jacket of temperature conditioned water. An ideal choice for laboratories concerned with temperature fluctuations from power outages or significant ambient temperature fluctuations.

- 6.5 cu. ft. internal chamber volume
- Supplied with four removable stainless steel shelves and water pan
- In-chamber HEPA filtration airflow designed to protect samples from airborne contaminants during routine access
- Fan-assisted airflow and in-chamber sensors maintain a uniform and stable growth environment
- Choice of long lasting TC or independent IR CO₂ sensors
- Dual temperatures for over-temperature protection
- Easy assembly and disassembly of interior without tools
- Dual stack configurations include mobile support stand and stacking kit to maximize lab space

Description	Cat. No.
Single-Unit Incubators	
With Thermal Conductivity (TC) CO ₂ Sensor and HEPA Filter	10810-744
With Infrared (IR) CO ₂ Sensor and HEPA Filter	10810-878
Dual-Stacked Incubators	
With Thermal Conductivity (TC) CO ₂ Sensor, HEPA Filter, and Mobile Support Stand	10810-884
With Infrared (IR) CO ₂ Sensor, HEPA Filter, and Mobile Support Stand	10810-886
Accessories	
Support Frame with Locking Casters, 8" (20.3 cm) H	98000-386
Single Stainless Steel Shelf with Installation Channel	98000-392

Technical Specifications

Model	Water Jacketed CO ₂ Incubator
Temperature	
Control	±0.1°C
Range	5°C above ambient to 55°C (131°F)
Uniformity	±0.3°C @ 37°C (98.6°F)*
Tracking Alarm	User-programmable high/low
CO₂	
CO ₂ Control	±0.1%
CO ₂ Range	0-20%
Inlet Pressure Required	15 PSIG (1.0 bar)
CO ₂ Sensor	TC or IR
Readability & Setability	0.10%
Tracking Alarm	User-programmable high/low
HUMIDITY	
rH	Ambient to 95% @ 37°C (98.6°F)
Humidity Source	3 L standard pan
FITTINGS	
Access Port with Filter	1.3" (3.3 cm) with removable silicone plug
Fill Port	3/8" hose (barbed)
Drain Port 1	1/4" hose (barbed)
CO ₂ Inlet	1/4" hose (barbed)
UNIT HEAT LOAD	
120V	344 BTU/Hr
SHELVES	
Dimensions, W x D	47 x 47 cm (18.5 x 18.5")
Construction	Stainless steel, perforated
Surface Area	0.2 sq. m (2.4 sq. ft.)
Standard, Maximum	4, 17
CONSTRUCTION	
Water Jacket Volume	43.5 L (11.7 gal.)
Interior Volume	184.1 L (6.5 cu. ft.)
Interior	Type 304, mirror finish, stainless steel
Exterior	18 gauge, cold-rolled steel, powder coated
ELECTRICAL	
Rated Voltage	115V, 50/60Hz
Circuit Breaker	6 Amp
Plug	NEMA 5-15
Alarm Contacts	Power interruption; deviation of temp, CO ₂
DIMENSIONS	
Exterior, W x H x D	66.8 x 100.3 x 63.5 cm (26 x 39.5 x 25")
Interior, W x H x D	54.1 x 68.1 x 50.8 cm (21.3 x 26.8 x 20")
WEIGHT	
Net	120.2 kg (265 lbs.)
Net, Operational	166.0 kg (365 lbs.)
Shipping, Motor	147.0 kg (324 lbs.)



VWR® AIR JACKETED CO₂ INCUBATOR

ENHANCED SAFETY FEATURES INCLUDE HEPA FILTRATION AND HIGH HEAT STERILIZATION CYCLE

The VWR® Air Jacketed CO₂ Incubator offers two levels of security for your valuable cell cultures. HEPA filtration safeguards your cultures from airborne contaminants, which is a primary source of contamination. In addition, the on-demand sterilization cycle eliminates contamination from internal surfaces, simplifying cleaning and minimizing downtime.

The on-demand high heat sterilization cycle is a convenient 14-hour cycle that eliminates microbial contaminants easily - with a push of button. A message prompts the user and prevents errors or accidental activation.

- 6.5 cu. ft. internal chamber volume
- Supplied with four removable stainless steel shelves and water pan
- In-chamber HEPA filtration airflow is designed to protect samples from airborne contaminants during routine access
- Overnight 140°C sterilization cycle for easy cleaning and reliable decontamination
- In-chamber probes and sensors are designed for precise control
- Choice of long lasting TC or independent IR CO₂ sensors
- Easy assembly and disassembly of interior without tools
- Dual stack configurations include mobile support stand and stacking kit to maximize lab space

Description	Cat. No.
Single-Unit Incubators	
With Thermal Conductivity (TC) CO ₂ Sensor, HEPA Filter, and High Temperature Decontamination	10810-902
With Infrared (IR) CO ₂ Sensor, HEPA Filter, and High Temperature Decontamination	10810-944
Dual-Stacked Incubators	
With Thermal Conductivity (TC) CO ₂ Sensor, HEPA Filter, High Temperature Decontamination, and Mobile Support Stand	10811-002
With Infrared (IR) CO ₂ Sensor, HEPA Filter, High Temperature Decontamination, and Mobile Support Stand	10811-004
Accessories	
Support Frame with Locking Casters, 8" (20.3 cm) H	10820-346
Single Stainless Steel Shelf with Installation Channel	98000-392

Technical Specifications

Model	Air Jacketed CO ₂ Incubator
TEMPERATURE	
Control	±0.1°C
Range	3°C above ambient to 55°C (131°F)
Uniformity	±0.3°C @ 37°C (98.6°F) 1
Tracking Alarm	User-programmable high/low
CO₂	
CO ₂ Control	±0.1%
CO ₂ Range	0-20%
Inlet Pressure Required	15 PSIG (1.0 bar)
CO ₂ Sensor	TC or IR
Readability & Setability	0.10%
Tracking Alarm	User-programmable low
HUMIDITY	
rH	Ambient to 95% @ 37°C (98.6°F)
Humidity Source	3 L (3.2 qt) standard pan
FITTINGS	
Access Port with Filter	3.3 cm (1.3") with removable silicone plug
CO ₂ Inlet	¼" hose (barbed)
UNIT HEAT LOAD	
120V	293 BTU/Hr
SHELVES	
Dimensions, W x D	47 x 47 cm (18.5 x 18.5")
Construction	Stainless steel, perforated
Surface Area	0.2 sq. m (2.4 sq. ft.)
Standard, Maximum	4, 17
CONSTRUCTION	
Interior Volume	184.1 L (6.5 cu. ft.)
Interior	Type 304, mirror finish, stainless steel
Exterior	18 gauge, cold-rolled steel, powder coated
ELECTRICAL	
Rated Voltage	120V, 60Hz
Circuit Breaker	12 Amps
Plug	NEMA 5-15
Alarm Contacts	Power interruption; deviation of temp, CO ₂
DIMENSIONS	
Exterior, W x H x D	66.8 x 100.3 x 63.5 cm (26.3 x 39.5 x 25.0")
Interior, W x H x D	54.1 x 68.1 x 50.8 cm (21.3 x 26.8 x 20.0")
WEIGHT	
Net	117.9 kg (260 lbs.)
Shipping	142.9 kg (315 lbs.)

¹ truncated



Large LED display of temperature and CO₂ percentage with alarm system.

VWR® AIR JACKETED CO₂ INCUBATOR, BASIC
EXCEPTIONAL VALUE WITH HIGH HEAT DECONTAMINATION

The VWR® Air Jacketed CO₂ Incubator, Basic delivers value and performance for everyday cell culture applications by providing a reliable growth environment with added convenience of on-demand high heat decontamination.

On-demand 90°C moist heat cycle decontaminates entire chamber interior without the need to remove sensors, fittings, and shelves. Independent laboratory tests have validated that 90°C moist heat decontamination is highly effective against wide range of contaminants, including mycoplasma.

- 5.3 cu. ft. stainless steel internal chamber volume with three standard shelves
- On-demand 90°C moist heat decontamination cycle for simplified cleaning
- Fan-assisted airflow and in-chamber sensors maintain a uniform and stable growth environment
- Dual temperature probes for over-temperature protection and TC CO₂ sensor for long lasting, reliable performance
- Integrated pan is designed for fast recovery and high relative humidity
- Easy-to-install and dismantle shelf system with rounded corners for easy cleaning

Description	Cat. No.
Single-Unit Incubator	
With Thermal Conductivity (TC) CO ₂ Sensor and High Temperature Decontamination	10810-888
Accessories	
Support Frame with Locking Casters, 8" (20.3 cm) H	82013-766
Single Stainless Steel Shelf with Installation Channel	98000-390

Technical Specifications

Model	Air Jacketed CO ₂ Incubator, Basic
Temperature	
Control	±0.1°C
Range	3°C above ambient to 55°C (131°F)
Uniformity	+/-0.6% C @ 37°C (98.6°F)
Tracking Alarm	High/low
CO₂	
CO ₂ Control	Better than ±0.1%
CO ₂ Range	0-20%
Inlet Pressure Required	15 PSIG (1.0 bar)
CO ₂ Sensor	TC
Readability & Setability	User-programmable low
Tracking Alarm	
HUMIDITY	
rH	Ambient to 93% @ 37°C (98.6°F)
Humidity Source	3 L (3.2 qt) panless reservoir
FITTINGS	
Access Port with Filter	4.2 cm (1 1/4") with removable silicone plug
CO ₂ Inlet	1/8" hose (barbed)
UNIT HEAT LOAD	
120V	273 BTU/Hr
SHELVES	
Dimensions, W x D	42.3 x 44.5 cm (16.7 x 17.5")
Construction	Stainless steel, perforated
Surface Area	0.54 sq. m (6.0 sq. ft.)
Standard, Maximum	3, 10
CONSTRUCTION	
Interior Volume	150 L (5.3 cu. ft.)
Interior Type	304, mirror finish, stainless steel
Exterior	18 gauge, cold-rolled steel, powder coated
ELECTRICAL	
Rated Voltage	120V, 60Hz
Circuit Breaker/Power Switch	16 Amps
Plug	NEMA 5-15
Alarm Contacts	Power interruption; deviation of temp, CO ₂
Data Outputs	RS 232
DIMENSIONS	
Exterior, W x H x D	63.7 x 86.7 x 76.6 cm (25 x 34 x 30")
Interior, W x H x D	47 x 60.7 x 53 cm (18.5 x 23.9 x 20.9")
WEIGHT	
Net	70 kg (154 lbs.)
Shipping	75 kg (165 lbs.)



VWR® AIR JACKETED CO₂ INCUBATOR MINI
IDEAL FOR SMALL VOLUME APPLICATIONS

The VWR Air Jacketed CO₂ Incubator Mini is ideal for use as a personal incubator or for low volume applications in a space-constrained working environment.

- 1.4 cu. ft. internal chamber volume
- Supplied with three removable stainless steel shelves and water pan
- Easy-to-clean with coved corners and minimized internal surfaces
- LED display of temperature and CO₂ with audible and visual alarm system

Description	Cat. No.
Single-Unit Incubator	
With Thermal Conductivity (TC) CO ₂ Sensor	10810-742

Technical Specifications

Model	Air Jacketed CO ₂ Incubator Mini
TEMPERATURE	
Control	±0.1°C
Range	5°C above ambient to 60°C (150°F)
Uniformity	±0.4°C @ 37°C (98.6°F)
Tracking Alarm	High/low
CO₂	
CO ₂ Control	Better than ±0.1%
CO ₂ Range	0-20%
Inlet Pressure Required	15 PSIG (1.0 bar)
CO ₂ Sensor	TC
Readability & Setability	0.10%
Tracking Alarm	User-programmable high/low
HUMIDITY	
rH	Ambient to 95% @ 37°C (98.6°F)
Humidity Pan	5.7 L (1.5 gal.), standard
FITTINGS	
Access Port with Filter	3.3 cm (1.3") with removable silicone plug
CO ₂ Inlet	1/4" hose (barbed)
UNIT HEAT LOAD	
120V	200 BTU/Hr
SHELVES	
Dimensions, W x D	34.3 x 29.2 cm (13.5 x 11.5")
Construction	Stainless steel, perforated
Surface Area	0.1 sq. m (1.08 sq. ft.)
Standard	4
CONSTRUCTION	
Interior Volume	39.6 L (1.4 cu. ft.)
Interior Type	304, mirror finish, stainless steel
Exterior	18 gauge, cold-rolled steel
ELECTRICAL	
Rated Voltage	120V, 60Hz (Operating range 90-125V)
Circuit Breaker/Power Switch	15 Amp
Plug	NEMA 5-15
Alarm Contacts	Power interruption; deviation of temp, CO ₂
DIMENSIONS	
Exterior, W x H x D	47 x 46.5 x 59.7 cm (18.5 x 18 x 23.5")
Interior, W x H x D	30.5 x 46.5 x 35.5 cm (12 x 14 x 14")
WEIGHT	
Net	28 kg (60 lbs.)
Shipping	33 kg (70 lbs.)

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