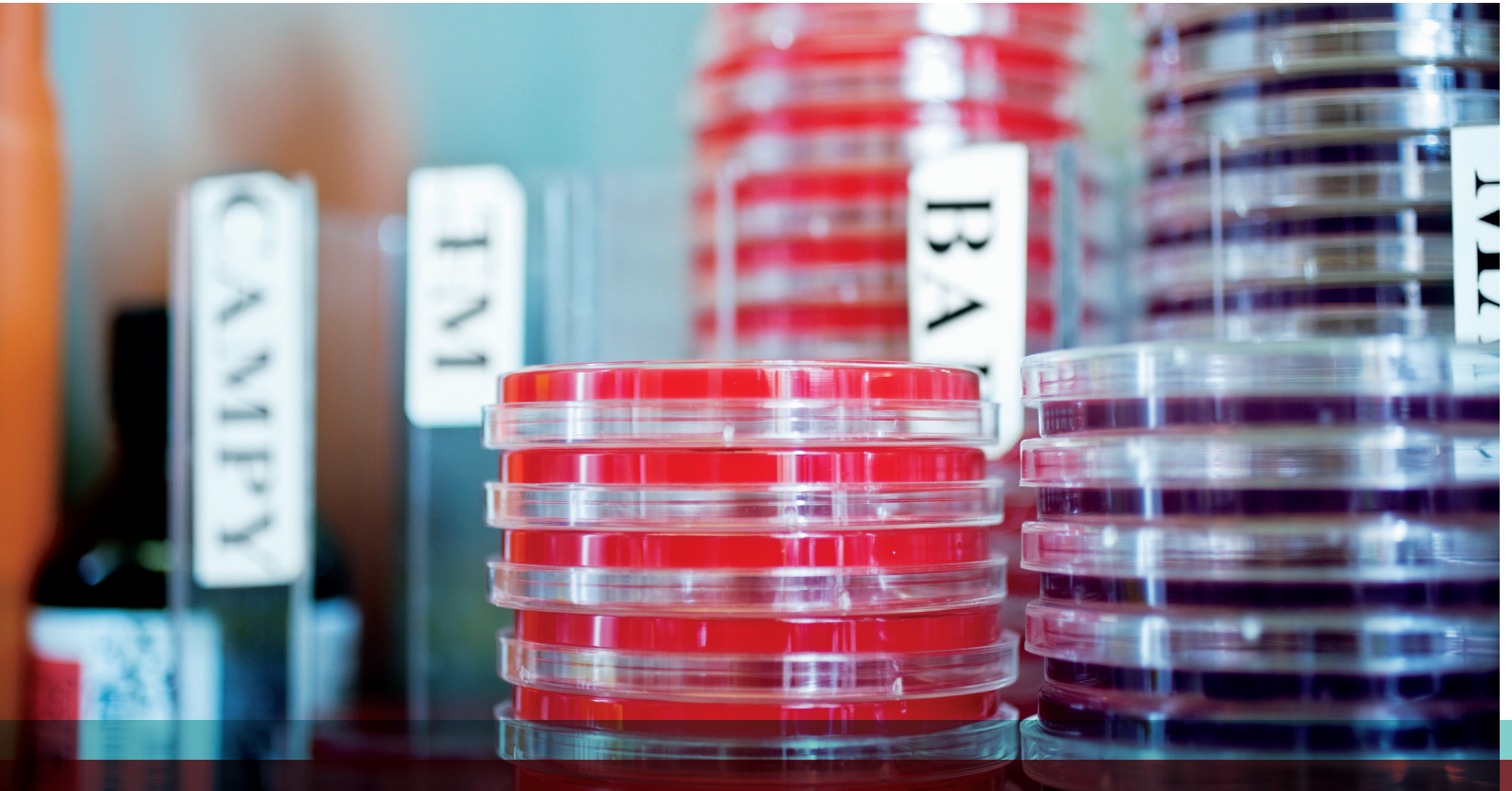


Reliable performance, built to last



You need **efficient,**
high-quality, cost-effective
solutions for your laboratory.

We can bring them to you.

Dependable, quality equipment is essential to your laboratory's success. Our new large capacity reach-in CO₂ incubator is no exception. Designed to meet the demanding requirements of your lab—without requiring expensive add-on options—our incubator provides 29 cubic feet of capacity in a convenient upright configuration.

You can efficiently:

- Culture and store large volumes of patient samples
- Grow large-volume products requiring precise incubation

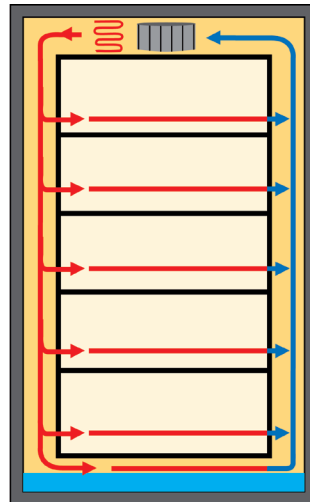
Our large capacity reach-in CO₂ incubator provides elevated relative humidity levels to prevent sample desiccation and maintains temperature uniformity. It's built to last and designed for long-term, reliable performance.



Optimum temperature uniformity

Temperature uniformity is absolutely critical for optimal culturing. Our large capacity reach-in CO₂ incubator delivers optimum temperature uniformity and recovery even with large product loads and low output, heat-generating equipment in the chamber.

Our unique directed horizontal laminar airflow system uses positive and negative pressures to direct air across the entire shelf surfaces, assuring a consistent flow of conditioned air for maximum temperature uniformity. The air feed plenum cannot be accidentally blocked by the chamber contents, leading to temperature variations that can damage the chamber's contents.

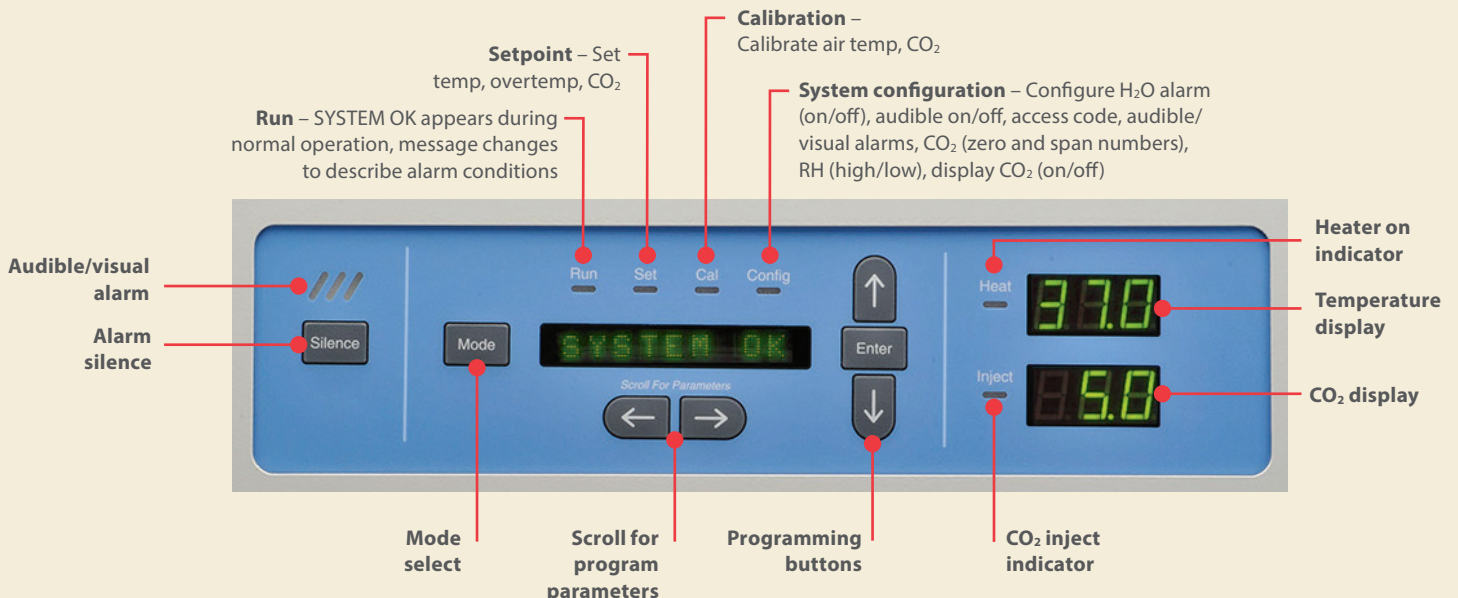


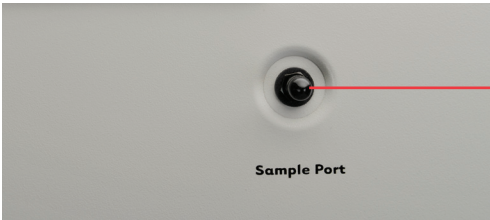
Unique directed airflow design minimizes the risk of sample damage when the chamber is fully loaded

Intuitive design and easy operation

Our large capacity reach-in CO₂ incubator is exceptionally simple to operate and loaded with valuable features that will serve you from day one. You don't need to purchase a range of expensive options to have a chamber that truly meets your needs. We've designed our incubator with the primary features built-in.

- **Spacious 29 cu. ft. interior volume** — allows easy access to large-volume samples for real productivity
- **Standard remote alarm contacts** — facilitates monitoring/ alarm system to track chamber conditions for meeting regulatory requirements
- **Temperature uniformity for optimal culturing** — even when the chamber is full
- **Enviro-Scan™ microprocessor message center** — offers the freedom to control all critical parameters without a lot of complex programming
- **All stainless steel interior** — for durability, helps ensure a long life
- **Heated solid door** — minimizes condensation and protects light sensitive samples
- **Three heavy-duty solid stainless steel shelves** — easy-to-clean, corrosion resistant, and adjustable on 2.0 in. (5.1 cm) centers for convenience
- **Swivel, locking casters** — allow for effortless mobility for easy unit installation and cleaning
- **Adjustable rH system** — three convenient settings: low, medium and high
- **Thermal conductivity (TC) sensors** — provide accurate CO₂ monitoring and reliable long service life



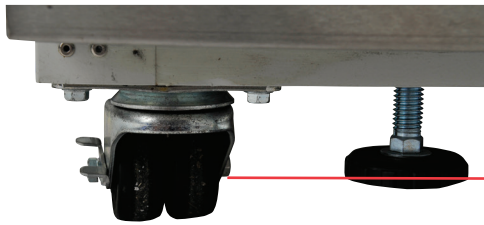


Sample Port

Sample port — allows easy sampling of CO₂ levels for independent test instruments.



All stainless steel interior — for durability, helps ensure a long life.



Swivel, locking casters — allow for effortless mobility for easy unit installation and cleaning.



Accessories

Accessories are customer installed unless indicated otherwise.

Carboy kit

Carboy kit (No. J1805-41) makes it easy to semi-automatically fill the reach-in. The carboy, which can be mounted on either side of the reach-in, can be carried to the water source or filled while mounted.

Kit includes an autoclavable 2 gallon (7.8 liters) carboy, valve, adapter, hose and mounting bracket.



Cat. no.	Description
CH3850	Large capacity reach-in CO ₂

Shelves and reinforced shelf systems

Cat. no.	Description
J1805-45	Solid stainless steel shelf with channels
J1805-46	Perforated stainless steel shelf with channels

Warranty

We confidently back our large capacity reach-in CO₂ incubator with a full two year parts and labor warranty. Limitations apply. See your Instruction Manual for full warranty terms and conditions.



Specifications and ordering information

Temperature	Control	±0.1°C
	Range	5°C above ambient to 60°C (140°F)
	Uniformity	±0.3°C @ 37°C (98.6°F)
	Tracking alarm	User-programmable low
Over temperature	Sensor	Precision thermistor
	Setability	0.1°C
	Function	User-programmable, action (shuts off heat), and indicator
	Controller	Independent analog electronic
Temperature safety	Sensor	Independent thermostat
	Controller	Independent analog electronic
CO₂	Control	Better than ±0.1%
	Range	0-20%
	Inlet pressure	15 PSIG (1.0 bar)
	Sensor	T/C (thermal conductivity)
	Readability and setability	0.1%
	Tracking alarm	User-programmable high/low
Humidity	Input water quality	50K to 1Meg Ohm resistance
	Selectable ranges	Off, Medium >80%, High >90%
	Humidity reservoir	4 gallons (15.1 liters)
	Water level alarm	User-programmable on/off
Fittings	Access port	2.4 in. (6.1 cm) I.D., one on each side, with stopper
	CO ₂ inlet	¼ in. hose (barbed)
	Water inlet	¼ in. MPT
	Condensate drain	¾ in. FPT
	Overflow drain	¾ in. MPT
Unit heat load	115V	510 BTUH (150 Watts), 129 kcal per hour
Shelves	Dimensions	30.6 x 25.8 in. (77.7 cm x 65.5 cm)
	Construction	Type 304, 2B finish, solid stainless steel
	Surface area	5.4 sq. ft. (0.5 sq. m)
	Max. per chamber	145.8 sq. ft. (13.5 sq. m)
	Standard, maximum	3, 27
Construction	Interior volume	29.0 cu. ft. (821.2 liters)
	Interior	Type 304, 2B finish, stainless steel
	Insulation	2.0 in. (5.1 cm) fiberglass
	Exterior door	Heated, solid door
	Outer door gasket	Molded vinyl
Electrical	3850	115V, 50/60 Hz, 10.0 FLA (Operating range 90-125V includes voltage fluctuations)
	Circuit breaker/power switch	3850: 15 Amps/2 Pole
	Plug	115V: NEMA 5-15P Plug
	Alarm contacts	Power interruption, deviation of temp and CO ₂ , customer connections through jack on back of unit
Dimensions	Exterior	38.0W x 80.0H x 33.0 in. F-B (96.5 cm x 203.2 cm x 83.8 cm)
	Interior	31.0W x 60.0H x 27.0 in. F-B (78.7 cm x 152.4 cm x 68.6 cm)
Weight	Net	500 lbs. (226.8 kg)
	Shipping (motor)	660 lbs. (299.4 kg)

Specifications are based on nominal voltages of 115V in ambients of 22°C to 25°C (71.6°F to 77°F).
UL Listed to United States requirements.



We are your lab partner.
Expertise. Choice. Efficiency. Savings.

For more information or to order,
contact your Cardinal Health sales representative,
call 800.964.5227 or visit **cardinalhealth.com**.

cardinalhealth.com

Enviro-Scan is a trademark of Thermo Fisher Scientific Inc.

© 2014 Cardinal Health. All rights reserved. CARDINAL HEALTH,
the Cardinal Health LOGO and ESSENTIAL TO CARE are trademarks
or registered trademarks of Cardinal Health. All other marks are the
property of their respective owners. Lit. No. 2LAB13-9407 (02/2014)

Cardinal Health
Laboratory Products
Waukegan, Illinois