

CO₂ INCUBATOR



BR-CO₂-185A CO₂ INCUBATOR

BR-CO₂-185A CO₂ Incubator, 6-side heating method, with efficient, high-performance heating systems distributed on the surface of each chamber, provides a highly uniform temperature distribution throughout the incubator, resulting in a more uniform temperature throughout the incubator and a uniform temperature field of $\pm 0.3^{\circ}\text{C}$ within the chamber after stabilization.

FEATURES

- Large 185L capacity chamber provides large enough culture space and ideal.
- Standard right side door opening, left and right door opening direction according to demand.
- Polished stainless steel one-piece interior chamber with rounded corners for easy cleaning.
- Flexible combination of detachable pallets, independent humidity pan can be removed or put in according to demand.
- Built-in fan in the chamber gently blows air for even distribution within the chamber, ensuring a consistent culture environment.
- Stainless steel shelves and brackets are durable and can be removed without tools in 1 minute.
- Easy-to-clean 304 stainless steel water pan holds up to 4L of water, ensuring a high humidity environment in the culture chamber. It provides maximum protection for cell and tissue culture and avoids the dangerous formation of condensation, even when the humidity pan generates high

humidity at normal room temperature, and is still less likely to generate condensation above the chamber. Turbulence-free chamber ventilation ensures a constant and uniform cell culture environment.

- On-demand 140°C high heat sterilization simplifies cleaning and eliminates the need for separate autoclaving and reassembly of components, increasing efficiency.
- 140°C high heat sterilization system effectively eliminates bacteria, mold, yeast and mycoplasma from the interior cavity surface.
- Chamber's built-in HEPA air filtration system provides uninterrupted filtration of air throughout the chamber.
- ISO Class 5 air quality within 5 minutes of closing the door.
- Provides continuous protection by reducing the ability of airborne contaminants to adhere to interior surfaces.
- Infrared (IR) CO₂ sensor for stable monitoring when humidity and temperature are less predictable, effectively avoiding measurement bias problems associated with frequent door opening and closing.
- Ideal for sensitive applications and remote monitoring, or where frequent opening of the incubator is required.
- Temperature sensor with over temperature protection.
- Incubators are equipped with fan-assisted airflow circulation, enabling rapid recovery.
- An in-chamber fan gently blows filtered, moist air throughout the chamber, ensuring that all cells have the same environmental conditions and do not lose excessive water regardless of their location.
- Intuitive controls for easy operation, instant run curves, historical run curves.
- Convenient installation position above the door for easy control, capacitive touch screen with sensitive touch control experience.
- Audible and visual alarms, on-screen menu prompts.
- Historical data can be viewed, monitored and exported via USB port, historical data cannot be changed and can be truly and effectively traced back to the original data.

CONFIGURATION LIST

CO₂ Incubator	1
HEPA Filter	1
Access Port Filter	1
Humidity Pan	1
Shelf	3
Power Cord	1
Product Manual, Test Report, etc.	1

TECHNICAL PARAMETERS

MODEL NO.	BR-CO ₂ -185A
Control Interface	5 inch LCD touch screen
Temperature Control Mode	PID control mode
Temperature Control Range	Ambient +4°C~60°C
Temperature Display Resolution	0.1°C
Temperature Field Uniformity	±0.2°C at 37°C
Heating Power	900W
Timing Function	0-999.9hours
Internal Dimensions (WxDxH)	535x526x675mm
Dimension (WxDxH)	660×652×1000mm
Volume	185L
CO ₂ Measurement Principle	Infrared (IR) detection
CO ₂ Control Range	0-20%
CO ₂ Display Resolution	0-10%
CO ₂ Supply	0.05~0.1MPa is recommended
Relative Humidity	Ambient humidity ~95% at 37°C
HEPA Filtration	ISO 5 level, 5 minutes
Sterilization Method	140°C High heat sterilization
Temperature Recovery Time	≤10 min (open door 30sec room temperature 25°C set value 37°C)
CO ₂ Concentration Recovery Time	≤5 min (open the door 30sec set value 5%)
Historical Data Storage	250,000 messages.
Data Export Interface	USB interface
Scalability	Up to 2 units can be stacked
Working Environment Temperature	10~30°C
Power Supply	115V/230V±10%, 50/60Hz
Weight	108kg

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