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SCIENTIFIC LIMITED

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 **BINDER**

Best conditions for your success

CO₂ Incubators



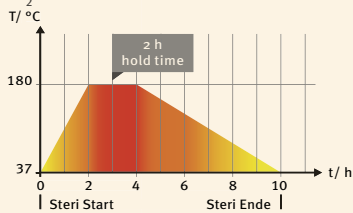
Less is more
CB series



The BINDER concept for the best cell growth

ABSOLUTE STERILITY OF INNER CHAMBER

- 180 °C hot-air sterilization throughout the inner chamber
- CO₂-sensor is also sterilized in the unit (CB series)



STABLE PH VALUES OF THE MEDIUM

- CO₂ measurement system with infrared sensor technology
- Fast-reacting, drift-free measurement
- Homogeneous gas distribution
- Rapid mixing thanks to a gas mixing head with Venturi effect



HUMIDITY MANAGEMENT

- Minimal evaporation of the medium due to high levels of humidity
- Permady™ double-pan humidification system (CB series) for active humidity limitation
- Dry interior walls through humidity limitation



CB 160

EASY TO CLEAN

- Deep-drawn inner chamber made of one piece of stainless steel
- No fixtures such as ventilators, air baffle plates, or filters
- Round corners and flanges that serve as a shelf support system (CB series)



USER-FRIENDLY OPERATING TERMINAL (CB SERIES)

- Simultaneous display of all important parameters
- Intuitive menu control
- Continuous recording of measured values
- Simple data export via USB

UNIFORM GROWTH CONDITIONS

- VENTAIR™ air jacket system
- Homogeneous temperature distribution
- Fast recovery times



CB 160 with 4x divided inner door

OPTION CB SERIES

OXYGEN CONTROL

- For hypoxic conditions from 0,2 % O₂
- For hyperoxic conditions up to 95% O₂

OPTION CB SERIES

DIVIDED INNER DOOR

- Minimal loss of inner chamber atmosphere
- Spatial separation of different experiments

CB series

The BINDER CB is particularly suitable for incubating sensitive cells while also guaranteeing the best possible conditions for cell cultures during both the production process and cell-based screenings. This BINDER incubator is even suitable for complex cultivation experiments with individual environments and hypoxic conditions thanks to its comprehensive assortment of options and accessories.



CB 160

STANDARD FEATURES

- All Standard features of C series, including the following equipment:
- Double-pan humidification system with condensation protection
- Hot-air sterilizable CO₂ sensor with infrared technology
- Display via color LCD monitor
- Lockable door handle
- Computer interface: Ethernet
- Internal data recording and USB interface

EXCERPT OF OPTIONS AND ACCESSORIES

- O₂ control
- Divided inner door
- Access port with silicone plugs
- Gas cylinder connection set and gas tank changer
- Stacking units (stacking adapter, stacking frame, base with casters)

ONLINE DATA SHEETS

Model CB 60

› go2binder.com/en-CB60

Model CB 160

› go2binder.com/en-CB160

Model CB 220

› go2binder.com/en-CB220

TECHNICAL DATA FOR CB SERIES

Description	CB 60	CB 160	CB 220
Basic data			
Net housing dimensions – W/H/D [mm]	580 x 720 x 545	680 x 920 x 715	740 x 1.070 x 715
Net weight [kg]	68	110	132
Interior volume [L]	53	150	210
Performance data:			
Temperature range from 7 °C above ambient temperature to [°C]	60	60	60
Temperature variation at 37 °C [± K]	0,3	0,3	0,4
Temperature fluctuation at 37 °C [± K]	0,1	0,1	0,1
Recovery time after door was opened for 30 sec. at 37 °C [min]	4	4	5
Humidity range [% RH]	90...95	90...95	90...95
CO ₂ range [vol. % CO ₂]	0...20	0...20	0...20
CO ₂ measuring technology	IR	IR	IR
Recovery time after door was opened for 30 sec. at 5 vol. % CO ₂ [min]	5	5	5

We reserve the right to alter technical specifications at any time.



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OPTIMAL CELL GROWTH



MINIMAL RISK OF CONTAMINATION



SIMPLE AND FAST CLEANING



LOW RUNNING EXPENSES

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BINDER CO₂ Incubators

Maximum sample safety and best possible cell growth: BINDER CO₂ incubators offer key advantages over conventional models of other manufacturers. Many manufacturers try to meet these requirements with additional functions and fixtures in the incubator, such as ventilators or air baffle plates. BINDER, however, intentionally pursues a different strategy: Less is more.

The sophisticated design of the BINDER CO₂ incubators provides the best possible culture conditions and reliable contamination prevention while also being extremely easy to use.

**LESS IS
MORE**