



Cell culture

**High quality and contamination prevention features at an affordable price**

**BB 15 CO<sub>2</sub> Incubators**

# Our BB 15 CO<sub>2</sub> incubator provides everything you need for the good growth of cell and tissue cultures

Thermo Scientific™ BB 15 CO<sub>2</sub> Incubators offer the following major features:

- Precise temperature and CO<sub>2</sub> control for optimal growth conditions
- Powerful humidification system for short recovery times
- Solid copper interior for permanent contamination control (optional)

## Temperature control

A precise Pt 1000 temperature sensor controls the air jacket heating for constant temperature. In case of failure, the system is equipped with a second circuit, taking over control to keep the temperature at the preset value.

## CO<sub>2</sub> control

The CO<sub>2</sub> concentration is measured with a highly reliable TCD sensor. The sensor is auto-calibrated on every auto-start routine.

## Humidification

For increasing the surface area, the water pan has been eliminated and the bottom of the chamber is used as a water reservoir. Therefore, a quick evaporation rate can be achieved, through a greater water surface area and supported by the direct heat transfer from the bottom of the chamber.

## Minimal surface

The BB 15 incubator chamber is consequently designed for a less contamination-prone surface area. It doesn't have any air ducts and no duplicate side walls. The shelf system has been reduced to the absolute minimum. Even the water pan has been eliminated. Therefore, the BB 15 incubator has up to 50% less surface than other incubators.

User-friendly control panel with large clear display – easy to read from across the laboratory.



### Easy to clean

The chamber has a high quality electropolished finish resulting in a very smooth surface. All corners and edges are covered; there are no bolts or screws inside. All door gaskets can be easily removed and reinstalled, making cleaning easy.

### Easy to use

The shelf system is easy to mount and take off. The shelves contain a travel stop to avoid tipping when dragged out too far. The back of the chamber is equipped with a 42 mm (1.7 inch) access port to facilitate installation of appliances within the chamber. Large displays allow easy parameter control.



### Solid copper interior (optional)

The BB 15 incubator is available with a solid copper interior. The chamber, the shelving system, the fan and even the fan housing are made of solid copper. Naturally effective copper interiors enable maximum protection against contaminants potentially introduced through door openings or sample handling. Ideal for shared-use environments, copper facilitates non-stop bactericidal and fungicidal properties on contact.

### Technical data

Type	Unit	BB 15
<b>Dimensions</b>		
External	w x h x d	mm/ inch
		637 x 867 x 766 / 25.1 x 34.1 x 30.2
Internal	w x h x d	mm/ inch
		470 x 607 x 530 / 18.5 x 23.9 x 20.9
Total volume	litres cu.ft.	approx. 151 5.3
<b>Temperature</b>		
air jacket temperature control		
Temperature control range	°C	T <sub>A</sub> +3 ... 55
Temperature deviation, time <sup>1)</sup> / spatial <sup>1)</sup>	K	±0.1 / ± 0.5
Ambient temperature range	°C	+ 18 ... 33
Recovery time at 37 °C <sup>2)</sup>	min	≤10
<b>Humidity</b>		
Constant humidity	%RH	≥95
Recovery time at 95% rH <sup>3)</sup>	min	≤30
<b>CO<sub>2</sub> control</b>		
Measure and control range	Vol – %	0 ... 20
Control accuracy	Vol – %	± 0.1
Recovery time, 5% CO <sub>2</sub> <sup>2)</sup>	min	≤5
<b>Weight (excluding accessories)</b>		
Temperature control range	kg / Lbs	70 / 154

<sup>1)</sup> DIN 12 880, part 2

<sup>2)</sup> 30 sec. door open, to 98 % of initial value

<sup>3)</sup> 30 sec. door open, to 96 % of initial value TA = ambient temperature



◀ BB 15 CO<sub>2</sub> incubator – ideal for cell and tissue culture

The BB 15 chamber is consequently designed for less contamination-prone surface area ▶



### Order numbers

Standard equipment: BB 15 CO<sub>2</sub> incubator with: direct heat technology, right hinged door, 150 L (5.3 cu.ft.) internal volume

Type	Description	Cat. No.
<b>Incubator</b>		
BB 15 (230 V, 50/60 Hz)	Stainless steel inner chamber	51023121
BB 15 (230 V, 50/60 Hz)	Solid copper inner chamber	51023122
BB 15 (120 V, 50/60 Hz)	Stainless steel inner chamber	51023125
BB 15 (120 V, 50/60 Hz)	Solid copper inner chamber	51023126
<b>Accessories</b>		
Support frame 200 mm / 7.9 in	(Without castors)	50051376
Support frame 200 mm / 7.9 in	(With castors, height incl. castors)	50057161
Support frame 780 mm / 30.7 in	(Without castors)	50051436
Castor set 100 mm / 3.9 in	4 castors for support frames	50052528, 50051376 and 50051436
HERAtray	Stainless steel shelf tray 1/3 width; 3 pcs.	50051913
HERAtray	Solid copper shelf tray 1/3 width; 3 pcs.	50051914
Additional	Shelf full-width stainless steel, incl. 2 support bars	50051909
Additional	Shelf full-width copper, incl. 2 support bars	50051910

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