

DOMINIQUE DUTSCHER

Cell culture

High quality and contamination prevention features at an affordable price

BB 15 CO_2 Incubators

thermo scientific

Our BB 15 CO_2 incubator provides everything you need for the good growth of cell and tissue cultures

Thermo Scientific™ BB 15 CO_2 Incubators offer the following major features:

- Precise temperature and CO_2 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_2 control

The CO_2 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.



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Easy to clean

The chamber has a high quality electropolished finish resulting in a very smooth surface. All corners and edges are coved; 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.

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Technical data

Type		Unit	BB 15
Dimensions			
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
Temperature		air jacket temperature control	
Temperature control range		°C	T_A +3 … 55
Temperature deviation, time[1] / spatial[1]		K	±0.1 / ± 0.5
Ambient temperature range		°C	+ 18 … 33
Recovery time at 37 °C[2]		min	≤10
Humidity			
Constant humidity		%RH	≥95
Recovery time at 95% rH[3]		min	≤30
CO_2 control			
Measure and control range		Vol – %	0 … 20
Control accuracy		Vol – %	± 0.1
Recovery time, 5% CO_2[2]		min	≤5
Weight (excluding accessories)			
Temperature control range		kg / Lbs	70 / 154

[1] DIN 12 880, part 2
[2] 30 sec. door open, to 98 % of initial value
[3] 30 sec. door open, to 96 % of initial value TA = ambient temperature



◀ BB 15 CO_2 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_2 incubator with: direct heat technology, right hinged door, 150 L (5.3 cu.ft.) internal volume

Type	Description	Cat. No.
Incubator		
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
Accessories		
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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Learn more at **thermofisher.com/co2**

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