



Thermo Scientific
BB 150 CO₂ Incubator



Outstanding value

for routine cell culturing

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The Thermo Scientific™ BB 150 CO₂ incubator provides an economical solution for all your basic cell and tissue culture needs with the added convenience of an on-demand high temperature decontamination function. Delivering performance, optimal growth conditions and proven contamination prevention, the BB 150 CO₂ incubator is easy to operate and maintain.

- **90°C moist heat automated decontamination routine**
- **Panless humidity system**
- **Easy to use control panel**

ADVANCED DESIGN PROMOTES OPTIMAL GROWTH OF YOUR CULTURES

Fan Assisted Circulation

The BB 150 CO₂ incubator airflow patterns are designed for optimal distribution of critical environmental conditions. Efficient circulation minimizes variation between cultures while preventing desiccation.

Accurate Temperature Control

Featuring reliable direct heat technology with high efficiency heaters on all sides of the culture chamber. In case of failure, a backup circuit maintains control to ensure the stability of temperature at desired value.

Reliable Long Life CO₂ Measuring System

CO₂ sensor is positioned directly in the culture chamber to insure precise control. Proven long life thermoconductivity technology provides accurate control, allowing your cultures to thrive.

Convenient Auto Start Technology

A hands-free approach provides automatic adjustment of the CO₂ measuring system at temperature setpoint with humidity, providing system optimization for best results.



CONVENIENT CONTRACON 90°C MOIST HEAT DECONTAMINATION CYCLE

Simplifies elimination of microbial contaminants with the push of a button

The BB 150 CO₂ incubator is supplied with the ContraCon™ 90°C automatic decontamination routine capability, which simplifies cleaning in preparation for sample loading with the touch of a button while eliminating the need for separate autoclaving of components.

The interior of the BB 150 incubator, including all sensors, shelves, fan and the water reservoir, can be decontaminated within a day. Save time by not having to remove, refit or decontaminate fixtures separately. There is no limit to the times the ContraCon decontamination routine can be used.

Large illuminated display for temperature and CO₂ values. Convenient countdown timer clearly shows temperature and time remaining in decontamination cycle.



Easy to clean rounded corners and edges



Easy to install and dismantle shelf system

Panless humidity system

EASY TO USE, EASY TO CLEAN

Precise control of important operating parameters is made simple with large displays for temperature and CO₂

Large illuminated display provides instant status of incubator parameters. You can easily check temperature and CO₂ concentration at the same time.

The stainless steel culture chamber has a high quality electropolished finish to aid in minimizing contamination through simplified cleaning. All corners and edges are covered.

The shelf system is easy to install and dismantle when needed. The perforated shelves promote homogeneity of growth parameters and feature a travel stop to avoid tipping when pulled out too far.

PANLESS HUMIDITY SYSTEM

Delivers rapid recovery rates to promote optimal growth conditions while protecting samples from desiccation

The BB 150 incubator features an integral humidity water reservoir that replaces standard water pans. The new system provides a high relative humidity (rH) and, most importantly, allows fast recovery of optimal culturing conditions.

Short humidity recovery times are important, especially when the incubator door is opened frequently or when small volumes of media are used. The large water surface area of the BB 150 incubator provides for quick humidity recovery.

Specifications and Ordering Information



Specifications/Technical Data

Interior Volume		150 L / 5.3 CuFt
Dimensions	External (w x h x d)	637 x 867 x 766 mm / 25.1 x 34.1 x 30.2 inches
	Internal (w x h x d)	470 x 607 x 530 mm / 18.5 x 23.9 x 20.9 inches
Chamber Construction		Type 304 stainless steel, electropolished
Shelves		3 standard / 10 maximum
	Dimensions (w x d)	423 x 455 mm / 16.9 x 18.2 inches
	Max. Load	10 kg per shelf, 30 kg maximum device load
Access Port		42 mm ID w/ removable silicon plug
Temperature	Control Range	3°C above ambient - 55°C
	Temperature Setting Deviation	plus or minus 0.1°C
	Temperature Spatial Deviation	plus or minus 0.5°C
	Ambient Temperature Range	18°C - 33°C
Humidity	Water Reservoir Volume	3 liters, pan-less
CO ₂ Control	CO ₂ Concentration Measure/Control Range	0 - 20%
	Control Accuracy	plus or minus 0.1°C
	CO ₂ Sensor	TCD (thermal conductivity detector)
	Weight	70 kg / 154 lbs
	Warranty	1 year

Ordering information

BB 150 CO₂ incubator includes air jacket direct heating, right hinged door, 150 L (5.3 CuFt) interior volume

Type	Description	Cat No.
Thermo Scientific BB150 (230 V, 50 Hz)	Stainless steel inner chamber	BB150-2TCS
Accessories		
Mobile Support Frame, 200 mm / 7.9 in	With casters	CSP-50057161
Additional Shelf	Stainless steel, with 2 support rods	CSP-50051909
Gas Cylinder Monitor GM2	External gas tank switcher	CSP-5009998
Heratray Sample Tray	Stainless steel, 1/3 width, 3 pcs	CSP-50051913
Heraline converter	4-20mA digital to analog signal convertor	CSP-5009999

Appropriate CO₂ gas supply and regulator sold separately. Contact your representative for assistance.

www.thermoscientific.com/co2

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