

DATASHEET · LABORATORY INCUBATORS

# Essential CO2 Cell Incubators.

SKU BB-BJPX-C50/C-80/C80S/C160/C-160S Spec v1 Rev. 2026-07-10

DATASHEET · P  
**BB-BJPX-C50/C-80/C80S/**  
 Rev 2026



PRODUCT FAMILY  
 ANIMAL MODEL  
 APPLICATION  
 COUNTRY OF ORIGIN  
 MFG. STANDARD  
 LOT TRACEABLE **No**  
 VERIFIED **Spec v1 · 2026-07-10**

PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT

PRODUCT TYPE	variable	HEATING	Air jacket, Water jacket
CO2_RANGE	0-20%	CO2_CONTROL_RESOLUTION	0.1%
TEMPERATURE_FLUCTUATION	±0.2°C (at 37°C)	TEMPERATURE_UNIFORMITY	±0.3°C (at 37°C)
AMBIENT_TEMPERATURE	18-30°C	RELATIVE_HUMIDITY_REQUIREMENT	80%
TIMING_RANGE	999h or continuous	INTERNAL_CHAMBER_DIMENSIONS	338×392×442 mm
HEATING_TYPE	Air jacket or Water jacket	STERILIZATION_METHOD	UV lamp
SENSOR_TYPE	IR infrared sensor with dual-channel dual-filter technology	HUMIDITY_PROVISION	Water tank for natural evaporation
DATA_STORAGE	USB port	ALARM_FUNCTIONS	Audible and visual alarm, over-temperature alarm, CO2 concentration alarm
WATER_JACKET_ALARMS	High and low water level alarms	SAFETY_FEATURES	Leakage current and over-voltage protectors
CAPACITY	50L, 80L, 160L	AUTOMATION_LEVEL	semi-automated
TYPE	Dry heat series, air jacket	STERILIZATION	180°C dry heat sterilization
CO2_UNIFORMITY	0.2vol%	INTERNAL_DIMENSIONS (W×D×H)	332×326×496mm
EXTERNAL_DIMENSIONS (W×D×H)	660×552×764mm	MATERIAL	304 brushed stainless steel (water jacket inner tank), 304 mirror finish stainless steel (air jacket inner tank), cold-rolled steel with painting (external), stainless steel (internal)
TEMPERATURE_RANGE	+5 to 60°C	DISPLAY_TYPE	LCD touch screen
WEIGHT	80kg	DIMENSIONS	632 mm x 575 mm x 830 mm



RESEARCH DOMAIN

Cancer Research, Cell Biology,  
Developmental Biology, Immunology,  
Microbiology, Pharmaceutical QC

POWER/VOLTAGE

1850W

INFO@CONDUCTSCIENCE.COM

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Rev 2026

BILL OF MATERIALS · EXTENDED ATTRIBUTES

ITEM
Essential CO2 Cell Incubators

MATERIALS REFERENCE

0 MATERIAL

CODE	DESCRIPTION	PROPERTIES	USED IN
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Cross-reference.

[INFO@CONDUCTSCIENCE.COM](mailto:INFO@CONDUCTSCIENCE.COM)

[CONDUCTSCIENCE.COM](http://CONDUCTSCIENCE.COM)

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Rev 2026

## OPERATING & STERILIZATION ENVELOPES

CONDITIONS, CYCLES, COMI

### OPERATING

TEMPERATURE

HUMIDITY

PRESSURE

### STORAGE

TEMPERATURE

HUMIDITY

ORIENTATION

### STERILIZATION & CLEANING

AUTOCLAVE

GAMMA

AVOID

ETO

WIPE

## ANIMAL COMPATIBILITY

BY SPECIES

## NOTES

USE & S

SPECIES	BODY WEIGHT	CHAMBER FIT
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Specifications verified against current published product data. Verified 2026-07-10 · Since 2026-07-10.

**Cite:** ConductScience BB-BJPX-C50/C-80/C80S/C160/C-160S, Spec v1, 2026-07-10. [conductscience.com/lab/essential-co2-cell-inc](https://conductscience.com/lab/essential-co2-cell-inc)

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