BTH-100/100D/BTC-100D Dual temperature control dry bath incubator

Dry Bath Incubator Series

Introduction

The dual-temperature-control dry bath incubator is a microcomputer-controlled, constant-temperature device designed for precise temperature control and parallel sample preparation. It offers an alternative to traditional water baths and can be used for sample preservation and reactions, DNA amplification, electrophoresis pre-denaturation and serum coagulation. Applications include the pharmaceutical, chemical, food safety, quality testing and environmental sectors.

Feature

1. The dual-temperature-control slots allow the temperatures to be controlled independently, helping prevent interference between the two positions and allowing one instrument to meet a wider range of laboratory needs.
2. An OLED display and simple interface support separate time and temperature settings, with simultaneous display of temperature and remaining time.
3. Rapid, uniform heating with accurate temperature control, high stability, low energy consumption and quiet operation.
4. Built-in temperature calibration, automatic fault detection and audible alarm functions.
5. Built-in over-temperature protection supports safe, reliable operation and helps extend the instrument's service life.
6. Compact design with a small footprint, helping save valuable laboratory space.
7. Interchangeable blocks are available for convenient replacement, cleaning and disinfection.
8. A high-block sealing cartridge with a cover can make the 15 mL / 50 mL high block fully enclosed with the dry bath.





Parameter

Model	BTH-100D (Dual Heating)	BTC-100D (Dual Cooling)	BTH-100 (Left Cooling, Right heating)
Temp. Control Range	R.T.+5℃~105℃	-10℃~105℃	Heating: R.T.+5℃ ~105℃ Cooling: -10℃ ~105℃
Temp. Setting Range	5℃~105℃	-10°~105℃	Heating: 5℃ ~105℃ Cooling: -10℃ ~105℃
Temp. Max. Decrease	/	R.T. decreases 25℃@R.T. 26℃	Cooling: R.T. decreases 25℃@R.T. 26℃
Temp. Stability@100℃	±0.5℃	±0.5℃	±0.5℃
Temp. Stability@40℃	0.3℃	0.3℃	0.3℃
Block Temp. Uniformity	±0.3℃	±0.3℃	±0.3℃
Temp. Display Accuracy	0.1℃	0.1℃	0.1℃
Heating Speed	≤15min (20℃ to 100℃)(Except BT-F/G)	≤15min (20℃ to 100℃)(Except BT-F/G)	≤15min (20℃ to 100℃)(Except BT-F/G)
Max. temp.	105℃	105℃	105℃
Cooling Speed	/	≤25min (R.T. decrease 25℃)@R.T.26℃	≤25min (R.T. decrease 25℃)@R.T.26℃
Time Range	1min~99h59min or continuous	1min ~99h59min or continuous	1min ~99h59min or continuous
Voltage	AC 220V/AC 110V, 50/60Hz	AC 100~ 230V, 50/60Hz	AC 220V / AC 110V, 50/60Hz
Power	150W	200W	170W
Fuse	250V,2A/4A, Φ5×20	250V,2A/4A, Φ5×20	250V,2A/4A, Φ5×20
Dimension (WxDxH)	W.240 x D.260 x H.168mm	W.240 x D.260 x H.168mm	W.240 x D.260 x H.168mm
Net Weight	2.6kgs	3.0kgs	2.6kgs

Accessories



BT-A



BT-B



BT-C



BT-D



BT-E



BT-F



BT-G



BT-HH High Block Holder
(Suitable for block BT-F & BT-G)



BT-SC Standard Transparent Cover
(Suitable for Block BT-A to BT-E)



BT-HC High Module Transparent Cover
(Suitable for BT-F/BT-G High Module Insulation Cover)



Accessories Parameter

Cat#	Dia. of hole	Spec	Quantity of tube	Quantity can be Accommodated
BT-A	6.1mm	0.2ml tube	24x0.2ml	8 pieces
BT-B	8mm	0.5ml tube	12x0.5ml	8 pieces
BT-C	10.8mm	1.5ml tube	6x1.5ml	8 pieces
BT-D	10.8mm	2.0ml tube	6x2.0ml	8 pieces
BT-E	6.1mm	0.2ml tube/96-well PCR plate	96x0.2ml	2 standard PCR plates
BT-F	16.9mm	15ml tube	6x15ml	4 pieces
BT-G	29.2mm	50ml tube	3x 50ml	4 pieces
BT-H	Customized	Customized	Customized	Customized