DTC-100/DTH-100/DTC-4 Dry Bath Incubator

DryBath

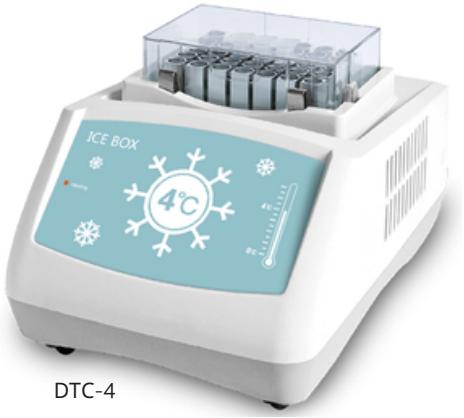
Introduction

The DTC-100 and DTH-100 Dry Bath Incubators provide precise temperature control and support parallel sample preparation. Their microprocessor-controlled thermostats offer an alternative to traditional water baths. They can be used for the cultivation and preservation of samples, DNA amplification, electrophoresis pre-denaturation and serum coagulation. Applications include the pharmaceutical, chemical, food safety, environmental and quality inspection sectors.

Feature

1. Rapid, uniform heating with accurate temperature control, high stability, low energy consumption and quiet operation.
2. Built-in temperature calibration, automatic fault detection and audible alarm functions.
3. Built-in over-temperature protection supports safe, reliable operation and helps extend the instrument's service life.
4. Compact design with a small footprint, helping save valuable laboratory space.
5. A range of interchangeable blocks is available for convenient replacement, cleaning and disinfection.
6. The DTC-100 includes a power-recovery function that automatically resumes the previous run after power is restored.
7. Programmable operation allows a timed run to be set for a specified duration (DTC-4 only).
8. An LCD displays temperature and remaining time simultaneously, except on the DTC-4.





DTC-4



DTH-100/DTC-100

Parameter

Model	DTH-100	DTC-100	DTC-4
Temp. Control Range	R.T.+5℃~100 ℃	-10℃ ~100℃	4 ℃ constant
Temp. Max. Decrease	/	R.T. decreases 30℃@R.T. 26℃	/
Temp. Setting Range	5℃~100 ℃	-10℃ ~100℃	4℃
Temp. Stability@100℃	±0.5℃	±0.5℃	/
Temp. Stability@40℃	±0.3℃	±0.3℃	/
Temp. Stability@4℃	/	/	±0.5℃
Block Temp. Uniformity	±0.3℃	±0.3℃	±0.5℃
Temp. Display Accuracy	0.1℃	0.1℃	/
Heating Speed	≤15min (20℃ to 100℃)	≤15min (20℃ to 100℃)	/
Cooling Speed	/	≤30min (R.T. decreases 30℃) @R.T. 26℃	≤10min(Depending on blocks)
Time Range	1min~99h59min or continuous	1min ~ 99h59min or continuous	/
Voltage	AC 220V / AC 110V, 50/60Hz	AC90~230V, 50/60Hz	AC90~230V, 50/60Hz
Power	150W	150W	100W
Fuse	250V, 1A/2A, Φ5x20	250V, 3A, Φ5x20	250V, 3A, Φ5x20
Dimension	W.196 x D.270 x H.170mm	W.196 x D.270 x H.170mm	W.196 x D.270 x H.170mm
Net Weight	2.2kgs	3.5kgs	3.5kgs

Accessories



A



B



C



D



E



F



G



H



I



J



K



Cover A



L



M



Cover B

Choose J block can be used with 96-well ELISA plate and 96-well PCR plate (half skirt, full skirt)



Metal cover

Choose J block can be used with deep well plate

Notice：K/L/M are not standard block.

Accessories Parameter

Cat#	Spec	Dia. of hole	Hole bottom shape	Block dimension
A	0.2 ml x 96	6.7 mm	Cone bottom	107 x 71 x 20 mm
B	0.5 ml x 54	8 mm	Cone bottom	107 x 71 x 25 mm
C	1.5 ml x 35	10.8 mm	Cone bottom	107 x 71 x 32 mm
D	2.0 ml x 35	10.8 mm	Round bottom	107 x 71 x 32 mm
E	0.5 ml x 20 + 1.5ml x 15	8 mm / 10.8mm	Cone bottom	107 x 71 x 32 mm
F	≤Φ12mm x 24	12 mm	Flat bottom	107 x 71 x 32 mm
G	0.2 ml x 32 + 1.5ml x 25	6.1 mm / 10.8mm	Cone bottom	107 x 71 x 32 mm
H	0.2 ml x 32 + 0.5 ml x 10 + 1.5ml x 15	6.1 mm / 8 mm / 10.8 mm	Cone bottom	107 x 71 x 32 mm
I	Water Bath	103 x 67 x 30 mm	Flat bottom	107 x 71 x 32 mm
J	Flat bottom plates	Top size 69 x 107 x 12 mm	Flat plate block	116 x 71 x 15 mm
K	5 ml x 24	13.5 mm	Flat bottom	107 x 71 x 32 mm
L	15 ml x 12	16.9 mm	Flat bottom	107 x 71 x 100 mm
M	50 ml x 6	29.5 mm	Flat bottom	107 x 71 x 100 mm
N	Customized	Customized	Customized	Customized