Dry Bath Incubator

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Application:

The product is controlled by microcontroller use high purity aluminum material as a heat conduction medium instead of the conditional water bath device, which is easy to use, wide temperature range, high precision and etc. It can be widely used in the sample preservation, reaction of DNA amplification, electrophoresis, degeneration, solidification and other kinds of serum biochemical sample thermostatic incubation process.

Dry bath incubators, also known as dry block heaters, are used in laboratories to heat samples in a variety of applications:

Molecular biology: Used in PCR (Polymerase Chain Reaction) applications, nucleic acid hybridization, and other procedures.
Cell culture: Used to maintain the temperature of small volumes of cell culture media.
Sample thawing: Used to gently thaw frozen samples without thermal shock.
Chemical reactions: Used to maintain constant temperatures during chemical reactions.
Incubation: Used to incubate reactions and assays that require a specific temperature environment.
Enzyme reactions: Used in various enzymatic reactions, such as DNA ligation and restriction digestion.

Dry bath incubators are used in many types of labs, including molecular, microbiological, biochemistry, clinical, and environmental labs. They are a dry and efficient alternative to other heating methods that use liquids.

Here are some things to consider when using a dry bath incubator:

Temperature control:

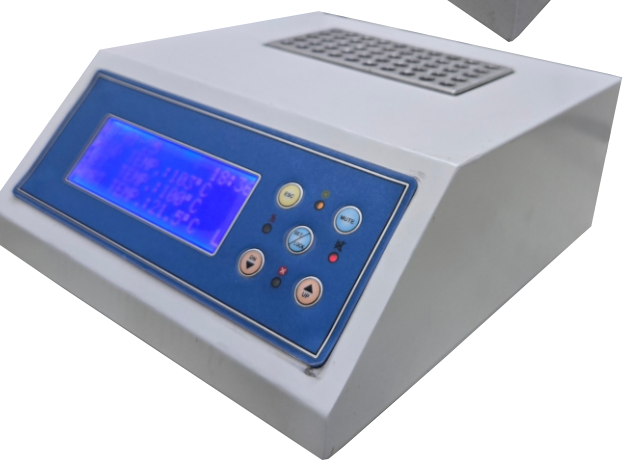
Dry bath incubators can be set to different temperature levels, typically ranging from room temperature to near boiling.
Sample containers , Dry baths are generally compatible with standard sample containers.

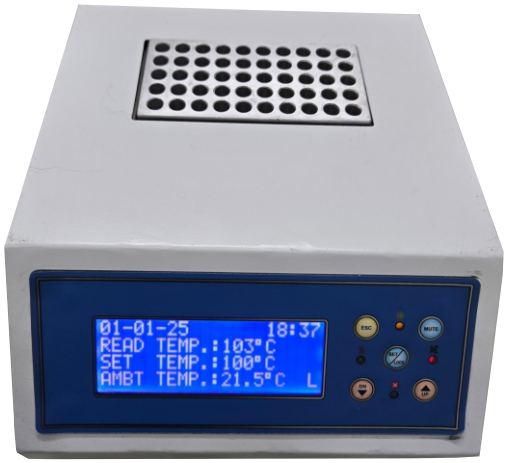
Contamination

Dry baths are less likely to become contaminated or spread contaminants between samples and work surfaces than water baths.

Features

Some dry bath incubators come with additional features such as stirring capabilities, programmable temperature profiles, or connectivity options





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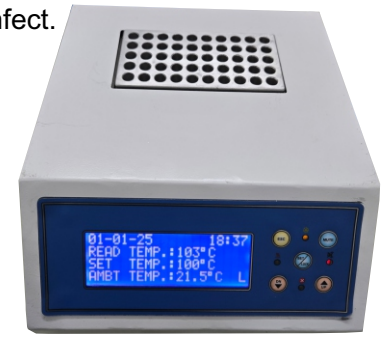
Technical Parameters:

Model	LS-DBI-1001	LS-DBI-1002
Temperature RangeTemp Accuracy	RT+5°C-160℃	RT+5°C-160℃
Temp Accuracy	±1°C(@120°C)	
Temp Uniformity	±0.5°C	
Display Accuracy	0.1°C	
Time Range	1-99h59min/∞	
Heating Time	≤15min(from 25°C to 160°C)	≤15min(from 25°C to 160°C)
Block Quantity	1	2
Max Power	300W	500W
Voltage	AC220V or AC110V, 50/60Hz	
Size	260*220*100mm	260*220*100mm
Weight	5.0kg	5.5Kg
Package Size	360*310*230mm	
Gross Weight	6kg	

* Real-time temperature display, the countdown display.
* Convenient block replacement, easy to clean and disinfect.
* Automatic fault detection and alarm function.
* Built-in over temperature protection device.
* Temperature deviation calibration function.



Optional Blocks:

Model	Tube Diameter	Tube Quantity
B01	6mm	48
B02	7mm	48
B03	10mm	24
B04	12mm	24
B05	13mm	24
B06	15mm	16
B07	16mm	16
B08	19mm	12
B09	20mm	12

B17/B18 block is only used for DBI-1002

Optional Blocks:

Model	Tube Diameter	Tube Quantity
B10	26mm	8
B11	28mm	4
B12	40mm	3
B13	0.2ml centrifuge tube	48
B14	0.5ml centrifuge tube	48
B15	1.5ml centrifuge tube	24
B16	2.0ml centrifuge tube	24
B17*	0.2ml PCR plate	96
B18*	0.2ml Elisa plate	96

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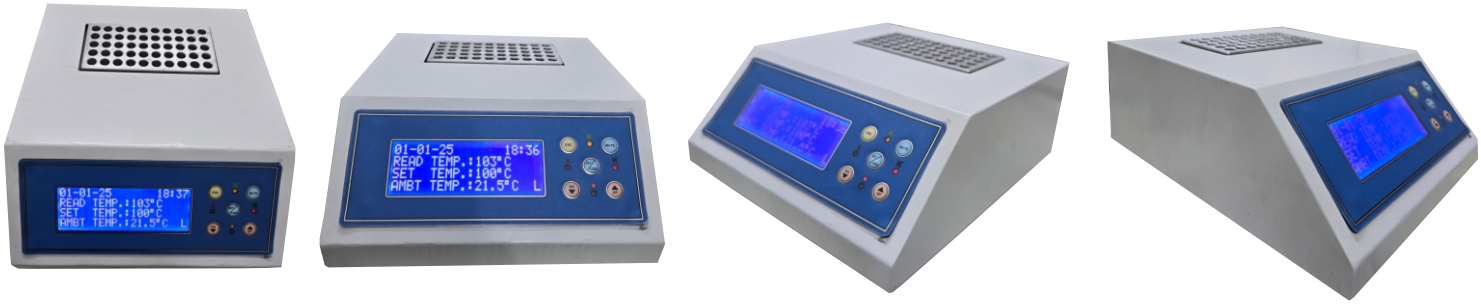

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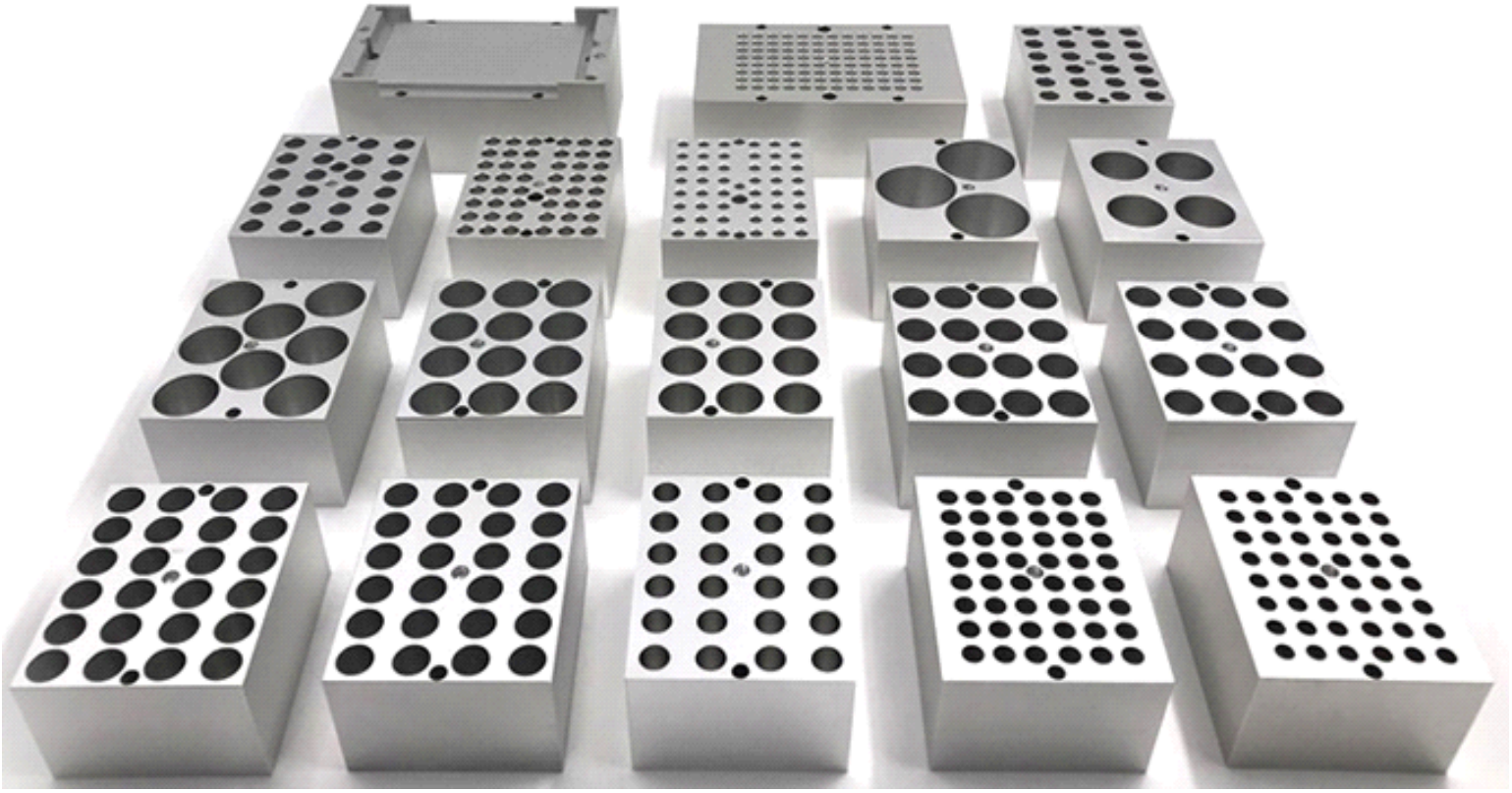

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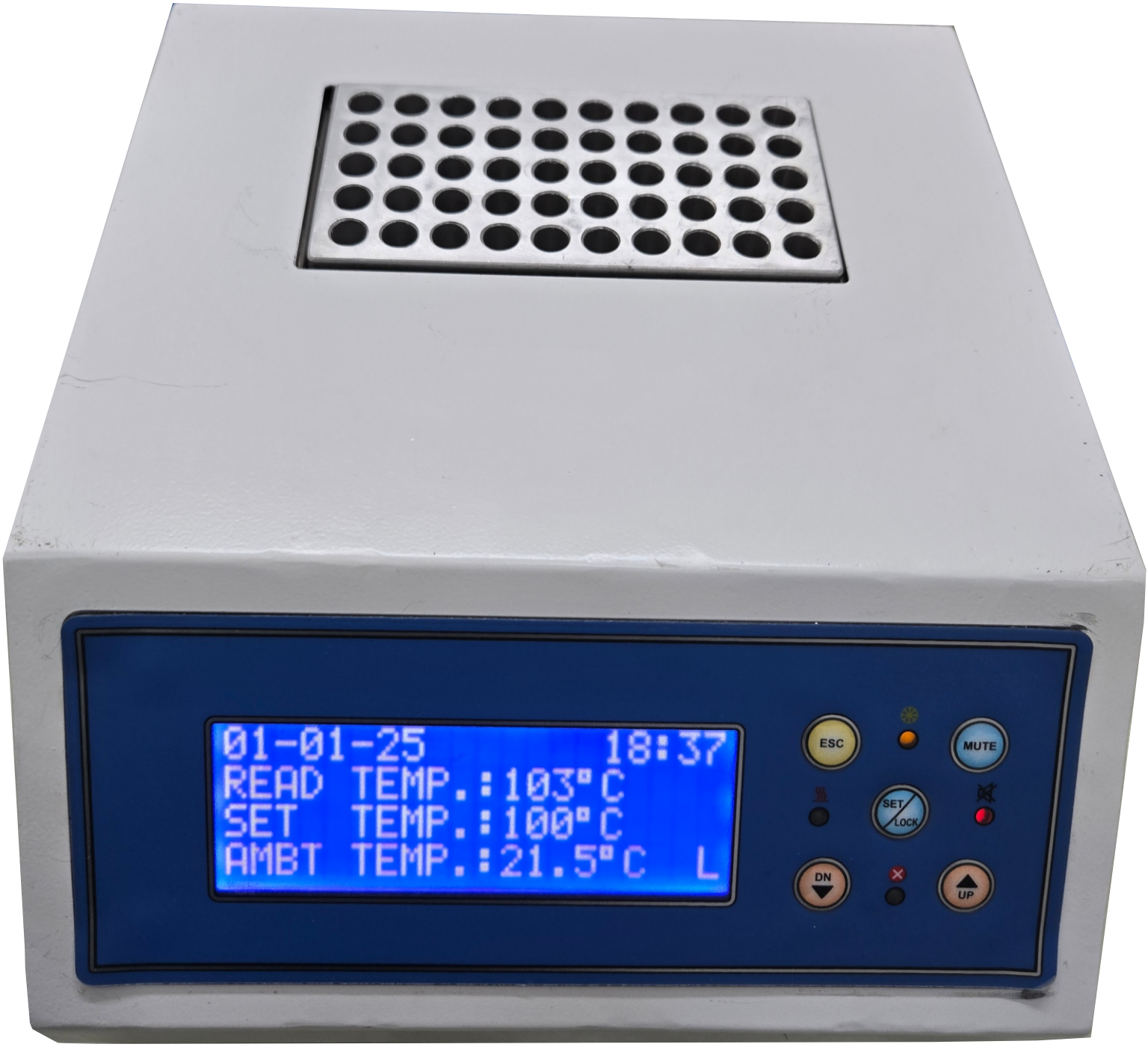

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