

# Infitek

## BLOCK HEATER



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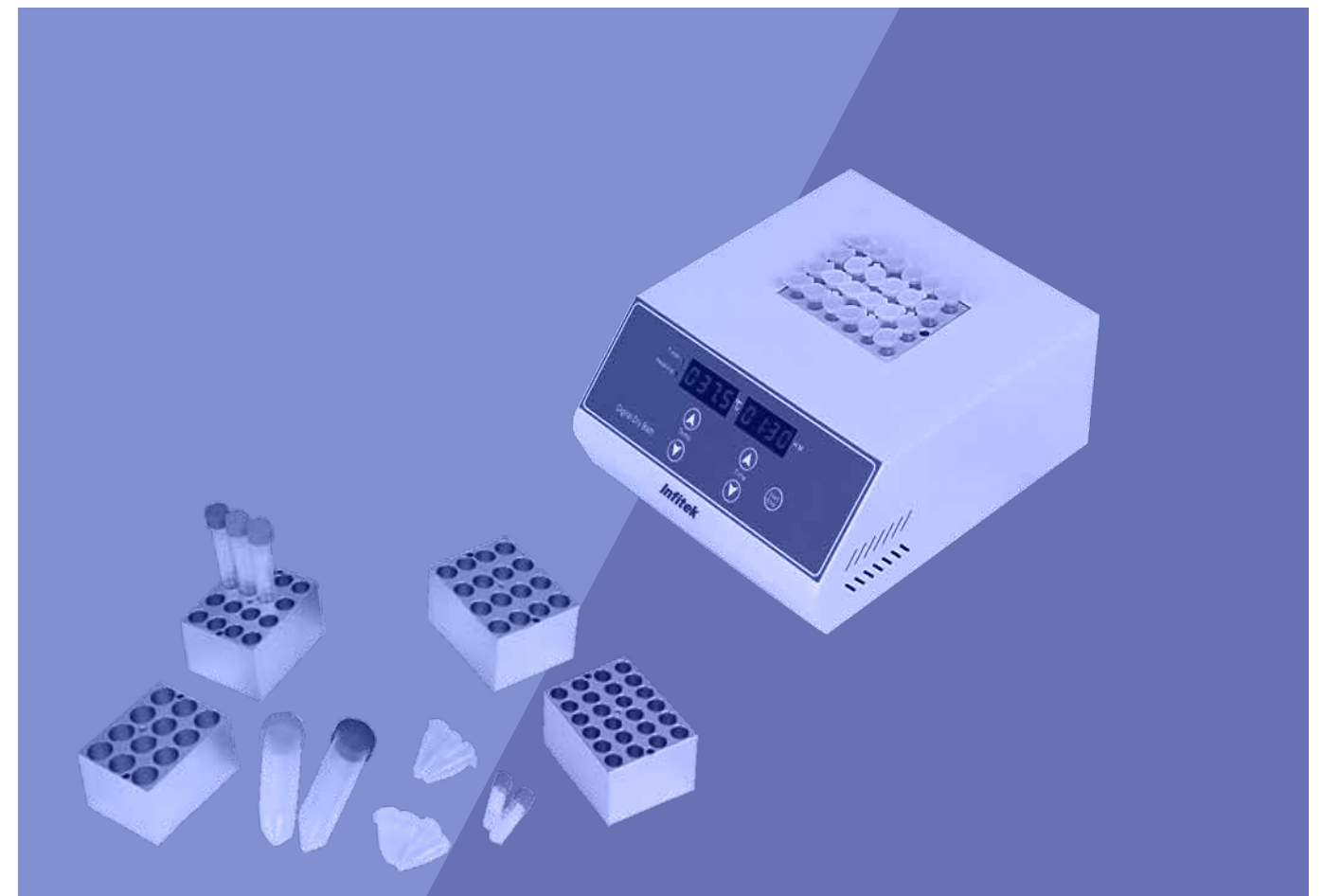
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# Block Heater / Dry Bath / Metal bath

DBI-60



## Feature

- Especially suitable for sample preparation of semiautomatic biochemistry analyzer.
- 5ml and 10ml mixed heating block.



Excellent temperature control accuracy and uniformity to protect samples and ensure precision result of tests.



Timer function and continuous function are available to meet different applications.



Fast heating rate to improve the efficient workflow.



Overheating protection.

## Specification

| Model                          | DBI-60                           |
|--------------------------------|----------------------------------|
| Heating temperature range      | 5 gears: 25℃, 30℃, 37℃, 45℃, 60℃ |
| Temperature accuracy           | ±0.5℃                            |
| Temperature uniformity         | ±0.3℃                            |
| Max. heating rate              | 5.5℃/min                         |
| Safety temperature             | 80℃                              |
| Time setting range             | 0min-99h59min                    |
| Operation type                 | Continuous/timer operation       |
| Capacity                       | 30×5mL+8×10mL                    |
| Display                        | LED                              |
| Voltage (VAC)                  | 200~240                          |
| Frequency (Hz)                 | 50/60                            |
| Power (W)                      | 160                              |
| Dimensions (W×D×H)             | 175mm×290mm×85mm                 |
| Weight (kg)                    | 2.5                              |
| Package Dimension (W×D×H) (mm) | 500*370*300                      |

| Block types                                                                           | Capacity      | Diameter      | Depth |
|---------------------------------------------------------------------------------------|---------------|---------------|-------|
|  | 30*5mL+8*10ml | Ø13mm/15.25mm | 33mm  |

Block Heater / Dry Bath / Metal bath

DBI-120



Features

- 

A wide range of temperature control up to 120°C
- 

Timer control up to 99+ hours
- 

Various types of optional blocks are available
- 

Overheating protection.  
Lid for protection and heat preservation.

Specifications

| Model                                   | DBI-120                        |
|-----------------------------------------|--------------------------------|
| Functions                               | Heating                        |
| Temperature range                       | Room temp.-120 °C              |
| Temperature setting range               | 15 °C -120 °C                  |
| Temperature control accuracy (at 37 °C) | ±0.5 °C                        |
| Temperature uniformity                  | ±0.5 °C                        |
| Max. heating rate                       | 5.5 °C /min                    |
| Overheating protection                  | 140 °C                         |
| Timer                                   | 0min-99h59min                  |
| Display                                 | LED                            |
| Adapter block material                  | Aluminum                       |
| Voltage, Frequency                      | 100V-120V/220V-240V, 50Hz/60Hz |
| Power                                   | 160W                           |
| Dimension (W×D×H)                       | 175mm×290mm×85mm               |
| Weight                                  | 3 kg                           |

| Cat. No.                                                                                     | Block types                                                                           | Capacity                               | Diameter | Depth   |
|----------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------|----------|---------|
| Standard: 18900218<br>Thin: 18900274                                                         |    | 54×0.2 mL                              | 6.4 mm   | 15 mm   |
| Standard: 18900219<br>Thin: 18900275                                                         |   | 40×0.5 mL                              | 8.2 mm   | 26.4 mm |
| Standard: 18900253 (1.5 mL)<br>18900220 (2 mL)<br>Thin: 18900276 (1.5 mL)<br>18900277 (2 mL) |  | 40×1.5 mL<br>40×2 mL                   | 11 mm    | 34.7 mm |
| Standard: 18900221                                                                           |  | 28×5/15 mL                             | 17 mm    | 48 mm   |
| Standard: 18900546                                                                           |  | 45×5 mL blood collection tube          | 13.5 mm  | 48 mm   |
| Standard: 18900222                                                                           |  | 8×50 mL                                | 29.8 mm  | 48 mm   |
| Standard: 18900224<br>Thin: 18900278                                                         |  | 18×0.2mL+18×0.5mL+18×1.5/2mL           | -        |         |
| Standard: 18900223<br>Thin: 18900279                                                         |  | 96 or 284 well plate                   | -        |         |
| Thin: 18900504                                                                               |  | 8 PCR strips and 96 PCR microplate     | -        |         |
| 18900523                                                                                     |  | Two-in-one block, bead bath/water bath | -        |         |

Block Heater / Dry Bath / Metal bath

DBI-105-1 DBI-105-2 DBI-150-1 DBI-150-2



Features

- A wide range of temperature control up to 105℃/150℃.
- Overheating protection.
- Sound reminder function.
- External temperature sensor PT1000.
- Block equipped with a lid for heat preservation and prevent pollution.
- Knob adjustment is easy to operate.

Specifications

| Specifications                   | DBI-105-1            | DBI-105-2            | DBI-150-1            | DBI-150-2            |
|----------------------------------|----------------------|----------------------|----------------------|----------------------|
| Temperature range (℃)            | Room temp.+5~105     | Room temp.+5~105     | Room temp.+5~150     | Room temp.+5~150     |
| Temperature setting range (℃)    | 25~105               | 25~105               | 25~150               | 25~150               |
| Temperature control accuracy (℃) | 25~90: ±0.3          | 25~90: ±0.3          | 25~90: ±0.3          | 25~90: ±0.3          |
|                                  | 90~105: ±0.6         | 90~105: ±0.6         | 90~105: ±0.6         | 90~105: ±0.6         |
| Temperature uniformity@37℃ (℃)   | ±0.2                 | ±0.2                 | ±0.2                 | ±0.2                 |
| Power (W)                        | 100                  | 200                  | 100                  | 200                  |
| Time setting range               | 0~99h59min           | 0~99h59min           | 0~99h59min           | 0~99h59min           |
| External sensor                  | Yes                  | Yes                  | Yes                  | Yes                  |
| Display                          | LED                  | LED                  | LED                  | LED                  |
| Power supply                     | 110V/220V, 50Hz/60Hz | 110V/220V, 50Hz/60Hz | 110V/220V, 50Hz/60Hz | 110V/220V, 50Hz/60Hz |
| External dimension (mm)          | 290×210×120          | 290×210×120          | 290×210×120          | 290×210×120          |
| Weight (kg)                      | 3.2                  | 3.2                  | 3.2                  | 3.2                  |
| Operating temperature (℃)        | +10~40               | +10~40               | +10~40               | +10~40               |
| Operating humidity (%RH)         | < 80                 | < 80                 | < 80                 | < 80                 |

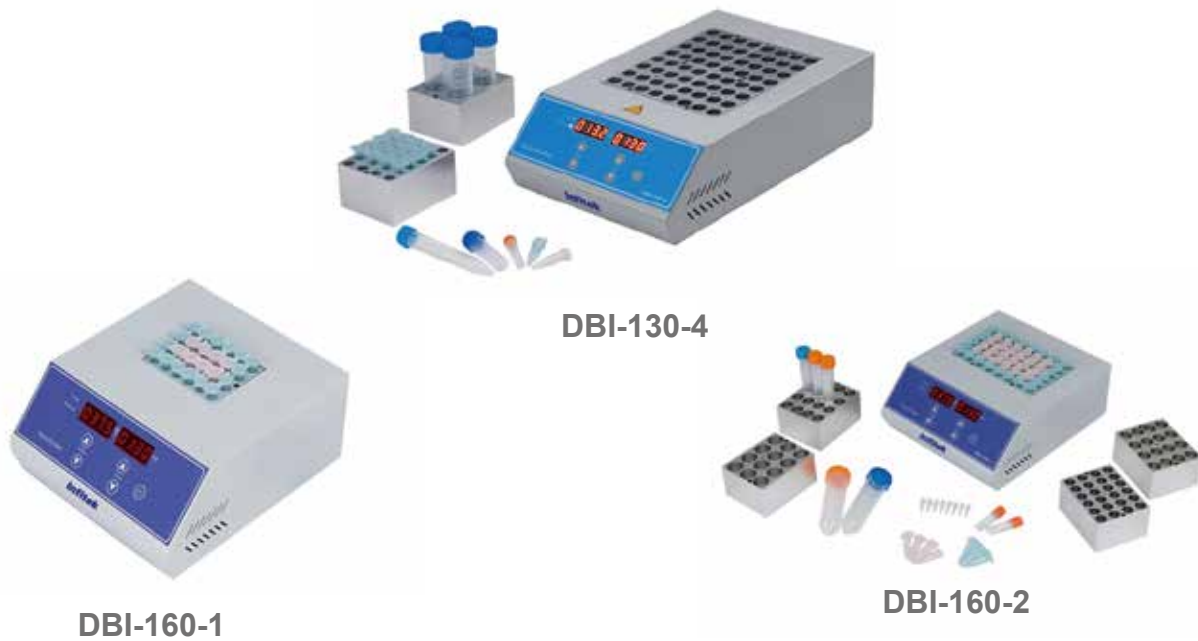
Optional Blocks

| Cat. No. | Block types                                                                           | Capacity                                              | Diameter Depth    |
|----------|---------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|
| 18900459 |  | 30×0.2 mL                                             | 6.4 mm<br>15 mm   |
| 18900410 |  | 20×0.5 mL                                             | 8.2 mm<br>26.4 mm |
| 18900461 |  | 20×1.5 mL                                             | 11 mm<br>24.7 mm  |
| 18900462 |  | 20×2 mL                                               | 11 mm<br>34.7 mm  |
| 18900413 |  | 4×50 mL                                               | 29.8 mm<br>48 mm  |
| 18900522 |  | Two-in-one block, bead bath/water bath<br>Adapt to S1 |                   |
| 18900523 |  | Two-in-one block, bead bath/water bath<br>Adapt to S2 |                   |
| 18900520 | Aluminum beads                                                                        |                                                       |                   |

Block Heater / Dry Bath / Metal bath

DBI-160-1 DBI-160-2 DBI-130-4

The high temperature Dry Bath Incubator controlled by microcomputer, use high purity aluminum material as a heat conduction medium instead of the traditional water bath device. 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.



Specifications

| Product model                 |                            | Parameters                 |                            |
|-------------------------------|----------------------------|----------------------------|----------------------------|
| Product model                 | DBI-160-1                  | DBI-160-2                  | DBI-130-4                  |
| Temperature range             | RT.+5°C~160°C              | RT.+5°C~160°C              | RT.+5°C~130°C              |
| Temp accuracy                 | ±0.5 C (@40 C)             |                            |                            |
| 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) | ≤20min(from 25 C to 130 C) |
| Block quantity                | 1                          | 2                          | 4                          |
| Max power                     | 300W                       | 500W                       | 600W                       |
| Voltage                       | AC220V or AC110V, 50/60Hz  |                            |                            |
| Size                          | 260 x 220 x 100mm          | 260 x 220 x 100mm          | 360 x 220 x 100mm          |
| Weight/G.W.(kg)               | 5.0kg                      | 5.5Kg                      | 8.0kg/9.2kg                |
| Package Dimension (W*D*H)(mm) | 370*370*260                | /                          | 430*330*220                |

Feature

Temperature deviation calibration function

Built-in over-temperature protection device

the countdown display  
Real-time temperature display

easy to clean and disinfect  
convenient block replacement

alarm function  
Automatic fault detection

| Type | Diameter of test tube | Number of test tube | Remark                      |
|------|-----------------------|---------------------|-----------------------------|
| MD01 | 6mm                   | 48                  | Hole depth 47mm             |
| MD02 | 7mm                   | 48                  | Hole depth 47mm             |
| MD03 | 10mm                  | 24                  | Hole depth 47mm             |
| MD04 | 12mm                  | 24                  | Hole depth 47mm             |
| MD05 | 13mm                  | 24                  | Hole depth 47mm             |
| MD06 | 15mm                  | 16                  | Hole depth 47mm             |
| MD07 | 16mm                  | 16                  | Hole depth 47mm             |
| MD08 | 19mm                  | 12                  | Hole depth 47mm             |
| MD09 | 20mm                  | 12                  | Hole depth 47mm             |
| MD10 | 26mm                  | 8                   | Hole depth 47mm             |
| MD11 | 28mm                  | 4                   | Hole depth 47mm             |
| MD12 | 40mm                  | 3                   | Hole depth 47mm             |
| MD13 | 0.2ml centrifuge tube | 48                  | Standard centrifuge tube    |
| MD14 | 0.5ml centrifuge tube | 48                  | Standard centrifuge tube    |
| MD15 | 1.5ml centrifuge tube | 24                  | Standard centrifuge tube    |
| MD16 | 2.0ml centrifuge tube | 24                  | Standard centrifuge tube    |
| MD17 | 0.2ml PCR plate       | 96                  | Not applicable to DBI-160-1 |
| MD18 | 0.2ml Elisa plate     | 96                  | Not applicable to DBI-160-1 |

# Block Heater / Dry Bath / Metal bath

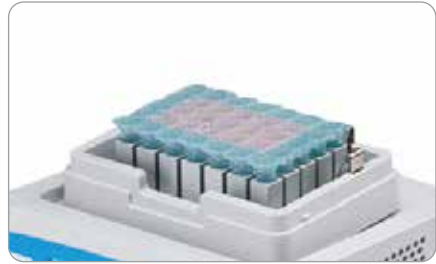
DBI-100 DBI-R100



DBI-100 and DBI-R100 Dry Bath Incubator controlled by microcomputer, uses high purity aluminum material as a heat conduction medium instead of traditional water bath device. It can be widely used in preservation and reaction of samples, DNA amplification, electrophoresis denaturation and serum solidification, etc.



DBI-100 DBI-R100



## Features



LCD display. It is easy to set up and use.



Different blocks for a wide variety of tube sizes.



Easy replacement, cleaning and disinfecting of metal blocks.



Automatic fault detection and buzzer alarm function.



Built-in over-temperature protection.



Temperature calibration function.

## Parameters

| Model                | DBI-100                   | DBI-R100                  |
|----------------------|---------------------------|---------------------------|
| Temp setting range   | 0℃~100℃                   | -10℃~100℃                 |
| Temp control range   | RT+5℃~100℃                | RT- 30℃~100℃              |
| Time range           | 1min ~ 99h59min/∞         |                           |
| Temp accuracy        | ±0.3℃                     |                           |
| Display accuracy     | 0.1℃                      |                           |
| Temp uniformity      | ±0.3℃                     |                           |
| Heating time         | ≤12min(from 25℃ to 100℃)  | ≤12min(from 25℃ to 100℃)  |
| Cooling time         | -- --                     | ≤10min(from 100℃ to 25℃)  |
| Cooling time         | -- --                     | ≤25min(from RT to RT-30℃) |
| Storage at 4℃        | -- --                     | Yes                       |
| Multi points running | Yes (Max 5 points)        |                           |
| Multi cycle          | Yes (Max 99 times)        |                           |
| Auto running         | Yes                       |                           |
| Auto heating         | Yes                       |                           |
| Auto resume to run   | Yes                       |                           |
| Capacity             | See optional block        |                           |
| Power                | 150W                      |                           |
| Power input          | AC110 or AC220V / 50-60HZ | AC100-240V, 50/60Hz       |
| Fuse                 | 250V 3A Φ5×20             |                           |
| Size                 | 260x195x150mm             |                           |
| Weight               | 2.5Kg                     | 4.5Kg                     |

## Optional Blocks

| Model  | Test tube and aperture     |
|--------|----------------------------|
| MD30   | 96×0.2ml                   |
| MD31   | 54×0.5ml                   |
| MD32   | 35×1.5ml                   |
| MD33   | 35×2.0ml                   |
| MD34   | 15×0.5ml+20×1.5ml          |
| MD35   | 96×0.2ml(elisa plate)      |
| MD36   | 24×5ml                     |
| MD37   | 15×10ml                    |
| MD38   | 12×15ml                    |
| MD39   | 6×50ml(round-shape bottom) |
|        | 6×50ml(cone-shape bottom)  |
| MD39-S | 24×5ml                     |

Block Heater / Dry Bath / Metal bath

DBI-RS100    DBI-S100    DBI-100III



DBI-100III

Feature

- Excellent mixing result.
- Flexible adapter selection.
- Compatible with various tubes.
- Quick interchange of blocks with magnet adhesion technology without any tools.
- Block equipped with a lid for heat preservation.



Programmable.



Three-point temperature calibration.



Stable and wide range of speed adjustment.



Precise temperature control for heating and cooling.



DBI-RS100    DBI-S100



DBI-100III

Specifications

| Model                                          | DBI-RS100                                                              | DBI-S100                  | DBI-100III                    |
|------------------------------------------------|------------------------------------------------------------------------|---------------------------|-------------------------------|
| Functions                                      | Heating, cooling & mixing                                              | Heating & mixing          | Heating                       |
| Temperature range                              | Heating: room temp.-100 ℃<br>Cooling: room temp.-below room temp. 15 ℃ | Heating: room temp.-100 ℃ | Heating: room temp.+5 ℃-100 ℃ |
| Temperature setting range specifications ( ℃ ) | 0.1~100                                                                | 15~100                    | 15~100                        |
| Temperature control accuracy (@20-45 ℃ )       | ±0.5 ℃                                                                 | ±0.5 ℃                    | ±0.5 ℃                        |
| Temperature uniformity (@20-45 ℃ )             | ±0.5 ℃                                                                 | ±0.5 ℃                    | ±0.5 ℃                        |
| Max. heating rate                              | 5.5 ℃ /min                                                             | 5.5 ℃ /min                | 5.5 ℃ /min                    |
| Max. cooling rate                              | 5 ℃ /min(100 ℃ -room temp.)<br>0.5 ℃ /min (below room temp.)           | -                         | -                             |
| Mixing frequency                               | 200rpm-1500rpm                                                         | 200rpm-1500rpm            | -                             |
| Mixing orbit                                   | 3 mm                                                                   | 3 mm                      | -                             |
| Time setting range                             | 0~99h30min                                                             | 0~99h30min                | 0~99h30min                    |
| Program                                        | 9                                                                      | 9                         | 9                             |
| Overheating protection                         | 150 ℃                                                                  | 150 ℃                     | 150 ℃                         |
| Display                                        | TFT                                                                    | TFT                       | TFT                           |
| Adapter block material                         | aluminum                                                               | aluminum                  | Aluminum                      |
| Voltage, Frequency                             | 100V-240V, 50Hz/60Hz                                                   | 100V-240V, 50Hz/60Hz      | 100V-240V, 50Hz/60Hz          |
| Power                                          | 200 W                                                                  | 200 W                     | 200 W                         |
| Dimension (W×D×H) (without the heating block)  | 200×235×120mm                                                          | 200×235×120mm             | 200×235×120mm                 |
| Weight                                         | 7.7 kg                                                                 | 7.3 kg                    | 7.3 kg                        |
| Package Dimension (W*D*H)(mm)                  | 420*390*250                                                            | /                         | /                             |

Block Heater / Dry Bath / Metal bath

DBI-R110III



Features

- Precise temperature control for heating and cooling.
- Block equipped with a lid for heat preservation.
- Compatible with various tubes.
- Programmable.
- Three-point temperature calibration.
- Flexible adapter selection.

Specifications

| Model                                         | DBI-R110III                                                            |
|-----------------------------------------------|------------------------------------------------------------------------|
| Functions                                     | Heating & cooling                                                      |
| Temperature range                             | Heating: room temp.-110 ℃<br>Cooling: room temp.-below room temp. 25 ℃ |
| Temperature setting range specifications      | -5~110 ℃                                                               |
| Temperature control accuracy (@20-45 ℃)       | ±0.5 ℃                                                                 |
| Temperature uniformity (@20-45 ℃)             | ±0.5 ℃                                                                 |
| Max. heating rate                             | 5.5 ℃ / min                                                            |
| Max. cooling rate                             | 2.5 ℃ / min (100 ℃ -room temp.)<br>0.5 ℃ / min (below room temp.)      |
| Time setting range                            | 0~99h30min                                                             |
| Program                                       | 9                                                                      |
| Overheating protection                        | 150 ℃                                                                  |
| Display                                       | TFT                                                                    |
| Adapter block material                        | Aluminum                                                               |
| Voltage, Frequency                            | 100V-240V, 50Hz/60Hz                                                   |
| Power                                         | 200W                                                                   |
| Dimension (W×D×H) (without the heating block) | 200mm×235mm×120mm                                                      |
| Weight                                        | 7.3 kg                                                                 |

| Cat. No. | Pictures | Speed    | Capacity              | Diameter×Depth |
|----------|----------|----------|-----------------------|----------------|
| 18900401 |          | 1500 rpm | 24×0.5 mL             | 8.1mm×26mm     |
| 18900402 |          | 1500 rpm | 24×1.5 mL             | 10.9mm×30.8mm  |
| 18900403 |          | 1500 rpm | 24×2 mL               | 10.9mm×30.8mm  |
| 18900404 |          | 1500 rpm | 8×5 mL (round bottom) | 13.6mm×42mm    |
| 18900405 |          | 1400 rpm | 8×5 mL (round bottom) | 17mm×51.5mm    |
| 18900406 |          | 800 rpm  | 8×15 mL               | 16.9mm×80mm    |
| 18900407 |          | 600 rpm  | 4×50 mL               | 29.6mm×80mm    |
| 18900420 |          | 1500 rpm | 96×0.2 mL PCR plate   | -              |
| 18900423 |          | 1500 rpm | Microplate            | -              |

Quick interchange of blocks with magnet adhesion technology without any tools.

Block Heater / Dry Bath / Metal bath

DBI-100IV DBI-R100IV

DBI-100IV/DBI-R100IV is a microprocessor-controlled device with LCD, can control the temperature precisely, which greatly shortens the experimental time and improves the efficiency. It can be widely used in samples cultivation, preservation and reaction. It has multi-purpose functions such as heating and custom programs to meet the needs of different users.



Product Features



5 stored-programs, each can run separately, also can be linked and cycled.



A variety of alloy aluminum blocks are easy to change.



Fast heating speed, precise and stable.



Controlled by PID, high accuracy and good conformity.



LCD display with timer and temperature.



Temperature calibration.



Buzzer alarm after program over.

Specifications

| Parameter                     | DBI-100IV           | DBI-R100IV                  |
|-------------------------------|---------------------|-----------------------------|
| Temperature Control Mode      | Heating membrane    | Semi-conductor              |
| Temperature Control Range     | RT.+5℃ ~100℃        | RT.-30℃ ~100℃               |
| Temperature Set Range         | 0℃ ~100℃            | -10℃ ~100℃                  |
| Temperature Accuracy          | ±0.3℃               |                             |
| Temperature Stability         | ±0.3℃               |                             |
| Heating Up Rate               | ≤ 15min( 20℃~100℃ ) |                             |
| Max.Temperature               | 100℃                |                             |
| Cooling Down Rate             | ---                 | ≤ 30min (100-25℃)           |
|                               |                     | ≤ 30min, Cooling down 30℃   |
|                               |                     | from RT.(test under RT.26℃) |
| Time                          | 0-99h59min          |                             |
| Temperature Display Accuracy  | 0.1℃                |                             |
| Power                         | 150W                | 130W                        |
| Dimension(W*D*H)              | 220*300*170mm       |                             |
| N.W./G.W.(kg)                 | 2.8kg/4.5kg         | 4.3kg/6.5kg                 |
| Package Dimension (W*D*H)(mm) | 400*390*290mm       | 400*390*300mm               |

Optional Blocks

| Type | Pictures   | Tube diameter                    | Max. Temp. |
|------|------------|----------------------------------|------------|
| A1   |            | 96*0.2mL PCR plate               | 100℃       |
| A2   |            | 54*0.5mL tubes                   | 100℃       |
| A3   |            | 35*1.5mL tubes                   | 100℃       |
| A4   |            | 35*2.0mL tubes                   | 100℃       |
| A5   |            | 20*0.5mL+15*1.5mL tubes          | 100℃       |
| A6   |            | 24*φ12mm tubes                   | 100℃       |
| A7   |            | 32*0.2mL+25*1.5mL tubes          | 100℃       |
| A8   |            | 32*0.2mL+10*0.5mL+15*1.5mL tubes | 100℃       |
| A8-2 |            | 32*0.2mL+10*0.5mL+15*2.0mL tubes | 100℃       |
| A9   |            | 103*67*30( water tank )          | 100℃       |
| A10  |            | 96*0.2mL Elisa(Flat bottom)      | 100℃       |
| A11  |            | 24*5mL                           | 100℃       |
| A12  |            | 12*15mL                          | 100℃       |
| A13  |            | 6*50mL                           | 100℃       |
| A14  | Customized |                                  | 100℃       |

Optional lids

| Item | Picture | Model | Compliance to |
|------|---------|-------|---------------|
| Lid  |         | L-A   | A1-A9         |
| Lid  |         | L-B   | A10-A11       |
| Lid  |         | L-C   | A12-A14       |

# Block Heater / Dry Bath / Metal bath

## DBI-100VI

The DBI-100VI Dry Bath Incubator is a semi-conductor controlled heating & cooling instrument with automatic temperature control design. The flexible timer, constant temperature function and multi-point operation mode make it a unique and an ideal lab instrument.



## Feature

- Has combined temperature control system and block system. Each block has a built-in temperature sensor and heating/cooling unit, ensuring that temperature control is more accurate and the heating speed is much faster.
- Auto restart in case of power failure.



Built-in temperature calibration function.



Interchangeable, auto-recognized blocks.



Over-heating protection device is included.



Instantly displays operation information on the LCD screen.



Adjustable heating lid. Temperature of heating lid can be controlled.



Multi-point(max. 5 points) and Multi-cycle( Max.99 times) operation modes are provided.

## Specifications

| Model                          |                                        | DBI-100VI                 |  |
|--------------------------------|----------------------------------------|---------------------------|--|
| Block                          | ES series                              | ESC series                |  |
| Temp setting range             | 0℃~100℃                                | -10℃~100℃                 |  |
| Temp control range             | RT+5℃~100℃                             | RT-25℃~100℃               |  |
| Time range                     | 1sec ~ 99 min 59sec /1min ~ 99h59min/∞ |                           |  |
| Temp. accuracy                 | ±0.3℃@37℃                              |                           |  |
| Display accuracy               | 0.1℃                                   |                           |  |
| Temp. uniformity               | ±0.3℃@37℃                              |                           |  |
| Heating time                   | ≤12min(from 25℃ to 100℃)               |                           |  |
| Cooling time 1                 | ---                                    | ≤12min(from 100℃ to 25℃)  |  |
| Cooling time 2                 | ---                                    | ≤25min(from RT to RT-25℃) |  |
| Heating lid temp setting range | OFF~+10℃                               |                           |  |
| Heating lid temp accuracy      | ±0.5℃                                  |                           |  |
| Heating lid heating time       | ≤10min(from 25℃ to 100℃)               |                           |  |
| Storage at 4℃                  | ---                                    | Yes                       |  |
| Multi-points running           | Yes(Max 5 points)                      |                           |  |
| Multi-cycle                    | Yes(Max 99 times)                      |                           |  |
| Auto running                   | Yes                                    |                           |  |
| Auto heating                   | Yes                                    |                           |  |
| Auto resume to run             | Yes                                    |                           |  |
| Capacity                       | See optional block                     |                           |  |
| Power consumption              | 150W                                   |                           |  |
| Electricity                    | 110 or 220V AC/50-60HZ                 |                           |  |
| Fuse                           | 250V 3A Φ5×20                          |                           |  |
| External dimension(mm) (W*D*H) | 200x300x210                            |                           |  |
| Net weight(kg)                 | 4.0                                    | 4.7                       |  |

\* Test condition: RT25℃±2℃, block is 1.5mlx35, use mercurial thermometer, accuracy is ±0.1℃.

## Optional block

| Type   | Capacity                 | Temp. range |
|--------|--------------------------|-------------|
| ESC-01 | 35x2.0ml centrifuge tube | RT-25℃~100℃ |
| ESC-02 | 35x1.5ml centrifuge tube | RT-25℃~100℃ |
| ESC-03 | 54x0.5ml centrifuge tube | RT-25℃~100℃ |
| ESC-04 | 96x0.2ml centrifuge tube | RT-25℃~100℃ |
| ESC-05 | 96x0.2ml Elisa plate     | RT-25℃~100℃ |
| ES-06  | 35x2.0ml centrifuge tube | RT+5℃~100℃  |
| ES-07  | 35x1.5ml centrifuge tube | RT+5℃~100℃  |
| ES-08  | 54x0.5ml centrifuge tube | RT+5℃~100℃  |
| ES-09  | 96x0.2ml centrifuge tube | RT+5℃~100℃  |
| ES-10  | 96x0.2ml Elisa plate     | RT+5℃~100℃  |



ESC series Blocks

ES series Blocks

If you have special requirements on block, please contact supplier to customize blocks

# Block Heater / Dry Bath / Metal bath

## DBI-100VII

DBI-100VII Dry Bath Incubator is a microprocessor-controlled dry block heating system with highly precise temperature control, making it an alternative to the traditional water bath devices. Timing flexible, constant temperature function and two-groups' individual temperature control mode are effectively improving the efficiency of the laboratory work. It is the ideal equipment, applying to kinds of sample incubation, catalyze, save and etc.



## Feature



Automatic running function.



Auto resume to run after power failure.



Automatic preheating function.



Built-in temperature calibration function. Accurate temperature control, high stability.



Unique two-group(A/B) temperature control function realizes running independently or simultaneously.



LCD display, simple interface. Easy to set up and use.



Built-in over-heating protection device, safe and reliable.

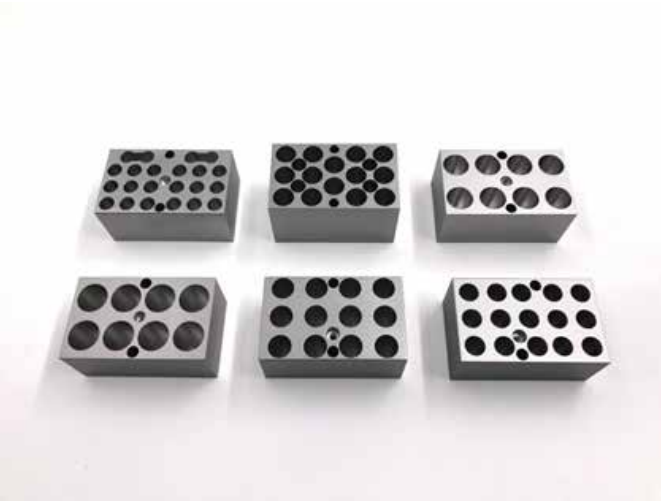
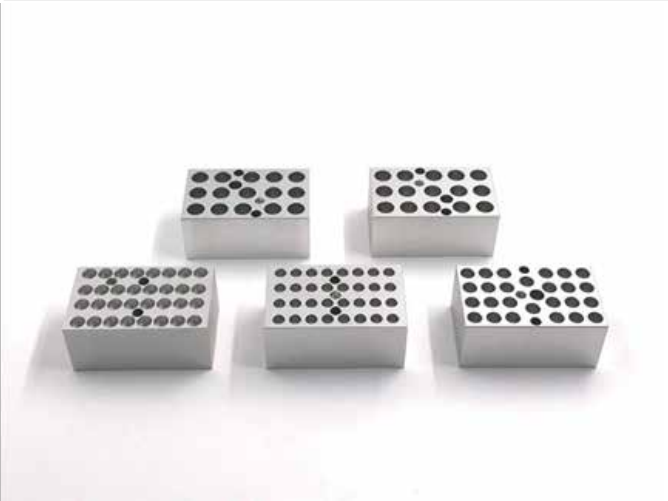
- One operation interface can realize two-group temperature and timing setting individually or simultaneously.
- Different kinds of aluminum blocks are available. Block can be customized.

## Specifications

| Model                          | DBI-100VII               |
|--------------------------------|--------------------------|
| Temp setting range             | 0C ~100C                 |
| Temp control range             | RT+5C ~100C              |
| Timing range                   | 1min ~ 99h59min/∞        |
| Temp accuracy                  | ±0.3C* <sub>@37C</sub>   |
| Display accuracy               | 0.1C                     |
| Temp uniformity                | ±0.3C <sub>@37C</sub> *  |
| Heating time                   | ≤15min(from 25C~100C)    |
| Auto heating                   | Yes                      |
| Auto running                   | Yes                      |
| Auto resume to run             | Yes                      |
| Temperature control group      | 2                        |
| Block quantity                 | 4                        |
| Power                          | 240W                     |
| Electricity                    | AC110V or AC220V/50~60Hz |
| Fuse                           | 250V 3A Φ5×20            |
| Dimension                      | 370*254*217(mm)          |
| Package Dimension (W*D*H) (mm) | 460*370*320              |
| Weight                         | 5.0kg                    |

## Optional Blocks

| Model    | Capacity                 |
|----------|--------------------------|
| MiniBoxA | 15x2.0ml centrifuge tube |
| MiniBoxB | 15x1.5ml centrifuge tube |
| MiniBoxC | 24x0.5ml centrifuge tube |
| MiniBoxD | 32x0.2ml centrifuge tube |
| MD40     | 15xΦ10mm                 |
| MD41     | 12xΦ12mm                 |
| MD42     | 8xΦ15mm                  |
| MD43     | 8xΦ16mm                  |



# Block Heater / Dry Bath / Metal bath

DBI-Mini100      DBI-Mini100R



DBI-Mini100 DBI-Mini100R is a microprocessor-controlled product. It is widely used in preservation and reaction of samples, DNA amplification and initial denaturation of electrophoresis and so forth. It fits almost anywhere and can even be used in cars, boats or wherever a 100~240V power source is available.

## Features

- Compact, fits on any crowded benchtop.
- Various blocks for optional choice.
- Custom blocks available upon request.



Automatic fault detection function with buzzer alarm.



Built-in over-temperature protection device.

## Specifications

| Model                 | DBI-Mini100              | DBI-Mini100R              |
|-----------------------|--------------------------|---------------------------|
| Temp. setting range   | 0℃~100℃                  | -10℃~100℃                 |
| Temp. control range   | RT+5℃~100℃               | RT-20℃~100℃               |
| Timing range          | 1sec~99min59sec/∞        | 1sec~99min59sec/∞         |
| Temp accuracy         | ±0.3℃                    | ±0.3℃                     |
| Temp. uniformity      | ±0.3℃                    | ±0.3℃                     |
| Display accuracy      | 0.1℃                     | 0.1℃                      |
| Heating time          | ≤20min(from 40℃ to 100℃) | ≤20min(from 25℃ to 100℃)  |
| Cooling time 1        | ---                      | ≤20min(from 100℃ to 25℃)  |
| Cooling time 2        | ---                      | ≤25min(from RT to RT-15℃) |
| AUTO-4℃               | ---                      | Yes                       |
| Multi points running  | ---                      | Yes(Max. 5points)         |
| Multi cycle           | ---                      | Yes(Max. 99times)         |
| Auto heating          | ---                      | Yes                       |
| Auto running          | Yes                      | Yes                       |
| Auto resume to run    | Yes                      | Yes                       |
| Voltage               | DC24V/1.67A              | DC12V/5A                  |
| Power                 | 40W                      | 60W                       |
| Dimensions(L*W*H)(mm) | 145×113×110              | 145×113×140               |
| Weight(kg)            | 0.5                      | 1.0                       |

## Optional Blocks:

| Type     | Description                             |
|----------|-----------------------------------------|
| MiniBoxA | 15×2.0ml                                |
| MiniBoxB | 15×1.5ml                                |
| MiniBoxC | 24×0.5ml                                |
| MiniBoxD | 32×0.2ml (for 0.2ml PCR 8-tube strip)   |
| MiniBoxF | 32×0.2ml (for 0.2ml Elisa 8-well strip) |

# Block Heater / Dry Bath / Metal bath

DBI-110

## Description

The Dry Bath Incubator is a microprocessor-controlled dry block heating system with highly precise temperature control, making it an alternative to the traditional water bath devices. It is widely used in the sample preservation, reaction of DNA amplification, electrophoresis, degeneration, solidification and other kinds of serum biochemical sample thermostatic incubation process.



## Specifications

| Model                               | DBI-110                  |
|-------------------------------------|--------------------------|
| Temp. setting range                 | 0C ~110C                 |
| Temp. control range                 | RT+5C ~110C              |
| Timing range                        | 1min ~ 99h59min/∞        |
| Temp. accuracy                      | ±0.3C@37C                |
| Display accuracy                    | 0.1C                     |
| Temp. uniformity                    | ±0.3C@37C                |
| Heating time                        | ≤20min(from 25C~110C)    |
| Auto heating                        | Yes                      |
| Auto running                        | Yes                      |
| Auto resume to run                  | Yes                      |
| Timing independently for each group | Yes                      |
| Block quantity                      | 4                        |
| Power                               | 500W                     |
| Electricity                         | 110V or 220V AC /50~60Hz |
| Fuse                                | 250V 3A Φ5×20            |
| Dimension (mm) (W*D*H)              | 254x370x228              |
| Net weight (Kg)                     | 8                        |

## Feature



Accurate temperature control, high stability. Built-in temperature calibration function.



Optional blocks are available for common laboratory tubes and plates. Custom blocks are also available upon request.



With four groups(A/B/C/D), timing independently or simultaneously.



Built-in over-heating protection device, safe and reliable.



LCD display, simple interface. Easy to set up and use.



Automatic preheating function.



Auto resume to run after power failure. Automatic running function.



Blue transparent lid prevents samples splashing out.

## Optional Blocks

| Model | Tube Diameter | Capacity | Model | Diameter              | Capacity |
|-------|---------------|----------|-------|-----------------------|----------|
| MD01  | 6mm           | 48       | MD10  | 26mm                  | 8        |
| MD02  | 7mm           | 48       | MD11  | 28mm                  | 4        |
| MD03  | 10mm          | 24       | MD12  | 40mm                  | 3        |
| MD04  | 12mm          | 24       | MD13  | 0.2ml centrifuge tube | 48       |
| MD05  | 13mm          | 24       | MD14  | 0.5ml centrifuge tube | 48       |
| MD06  | 15mm          | 16       | MD15  | 1.5ml centrifuge tube | 24       |
| MD07  | 16mm          | 16       | MD16  | 2.0ml centrifuge tube | 24       |
| MD08  | 19mm          | 12       | MD17  | 0.2ml PCR plate       | 96       |
| MD09  | 20mm          | 12       | MD18  | 0.2ml Elisa plate     | 96       |

Block Heater / Dry Bath / Metal bath

DBI-100II      DBI-R100II



Feature



LCD display of both temperature and time.



Light in weight.



Rapid calibration support.



Overheating protection.



Optional blocks with different capacities are available.



USB interface to save the data.



Mini HCL100 with hot lid provided to preserve the generated heat.



Safe and stable.

Specifications

| Model                                     | DBI-R100II                    | DBI-100II                     |
|-------------------------------------------|-------------------------------|-------------------------------|
| Temperature setting range (℃)             | 0-100                         | 25-100                        |
| Temperature range (℃)                     | Room temperature-23-100       | Room temperature+5-100        |
| Temperature control accuracy (℃)          | ±0.5                          | ±0.5                          |
| Temperature display accuracy (℃)          | 0.1                           | 0.1                           |
| Minimum time taken for heating (25℃-100℃) | ≤20min                        | ≤20min                        |
| Minimum time for cooling (20℃-10℃)        | ≤25min                        | /                             |
| Max. Heating Rate                         | 8℃/min                        | 6.5℃/min                      |
| Max. Cooling Rate                         | 3℃/min                        | /                             |
| Time setting range                        | 0-999min/0-999sec             | 0-999min/0-999sec             |
| Display                                   | LCD                           | LCD                           |
| No. of programs in memory                 | 9 (2 steps for each)          | 9 (2 steps for each)          |
| Rapid calibration                         | Support                       | Support                       |
| USB interface                             | Support                       | Support                       |
| Error code reminder                       | Support                       | Support                       |
| External dimension (mm)                   | 110×162×140                   | 110×162×140                   |
| Overall weight (kg)                       | ≤1                            | ≤1                            |
| Power supply                              | DC12V, AC100V-240V, 50Hz/60Hz | DC12V, AC100V-240V, 50Hz/60Hz |
| Power (W)                                 | 60                            | 60                            |
| Operation temperature (℃)                 | +10-40                        | +10-40                        |
| Operation humidity (%RH)                  | ≤80                           | ≤80                           |

| Cat. No. | Block types | Capacity  | Diameter×depth |
|----------|-------------|-----------|----------------|
| 18900414 |             | 40×0.2 mL | 6.4mm×20mm     |
| 18900415 |             | 24×0.5 mL | 8.2mm×28.4mm   |
| 18900416 |             | 15×1.5 mL | 11.2mm×31mm    |
| 18900428 |             | 15×2 mL   | 11mm×31mm      |
| 18900417 |             | 6×5 mL    | 17mm×31mm      |
| 18900426 |             | 4×15 mL   | 16.4mm×45mm    |
| 18900427 |             | 2×50 mL   | 29mm×45mm      |

# Block Heater / Dry Bath / Metal bath

## DBI-R3000



Storing enzymes or DNA libraries at your work station.



Transporting samples from the field at exactly the right temperature.



Heating samples in the field.



Enzyme reaction and deactivation.



PCR sample preparation.



### Features

- LCD display. It is easy to setup and use.
- Accurate temperature control, high stability.
- Heating lid independent temperature control function can effectively prevent sample evaporation and cross-infection
- Built-in fan reduces sample cooling time.
- Optional blocks are available for common laboratory tubes and plates.
- Custom blocks are also available upon request.
- Brushless DC Motor: noiseless long service life maintenance-free.
- Automatic preheating function.
- Auto resume to run after power failure.
- Automatic running function.
- Short mixing function.
- Built-in temperature calibration function.
- Built-in over-heating protection device, safe and reliable.

### Description

- It is a multipurpose thermostatic shaker controlled by brushless DC motor. Its PID intelligent temperature control technology ensures the temperature accuracy, automatically adjusts the heating rate and reduces waiting time. Heating lid independent temperature control function can effectively prevent sample evaporation and cross-infection. It is a ideal automation tool for sample incubation, catalysis, blending and preservation.

## Specifications

| Model                                           | DBI-R3000                       |
|-------------------------------------------------|---------------------------------|
| Temp. Setting Range                             | 0℃~105℃                         |
| Temp. Control Range                             | RT.+5℃~105℃                     |
| Temp. Accuracy                                  | ±0.3℃*                          |
| Temp.Uniformity                                 | ±0.3℃*                          |
| Time Range                                      | 1sec~99min59sec/1min~99h59min/∞ |
| Display Accuracy                                | 0.1℃                            |
| Speed Range                                     | 200~3000rpm                     |
| Orbit                                           | 2mm                             |
| Heating Time                                    | ≤10min(from 25℃ to 100℃)*       |
| Fan Cooling Time                                | ≤12min(from 100℃ to 37℃)*       |
| Heating Lid Temp. Setting Range                 | OFF/AUTO/40℃~110℃               |
| Heating Lid Temp. Control Range                 | RT.+5℃~110℃                     |
| Heating Time of Heating Lid                     | ≤10min(from 25℃ to 110℃)*       |
| Heating Lid Independent Temp. Control Function  | Yes                             |
| Auto Fan Function                               | Yes                             |
| Program Number                                  | 10programs(S0~S9)               |
| Multi Point Running                             | Yes(Max 5points)                |
| Multi cycle                                     | Yes(Max 99times)                |
| Auto Heating                                    | Yes                             |
| Auto Constant Temperature at the End of Running | Yes                             |
| Heating Lid Mode                                | Automatic / Manual              |
| Auto Running                                    | Yes                             |
| Auto Recovery After Power Failure               | Yes                             |
| Delay Timing Function                           | Yes                             |
| Power                                           | 335W                            |
| Electricity                                     | AC220V or AC110V/50-60Hz        |
| Fuse                                            | 250V 3A Φ5×20                   |
| External Dimension(L*W*H)                       | 296*212*164mm                   |
| N.W./G.W.                                       | 6.9kg/8kg                       |
| Shipping Dimension(L*W*H)                       | 410*350*240mm                   |

## Optional blocks

| Type          | Capacity                                         | Max. Speed |
|---------------|--------------------------------------------------|------------|
| MD30          | 96x0.2ml PCR Plate                               | 2500rpm    |
| MD31          | 54x0.5ml centrifuge tube                         | 2500rpm    |
| MD32          | 35x1.5ml centrifuge tube                         | 2500rpm    |
| MD33          | 35x2.0ml centrifuge tube                         | 2500rpm    |
| MD34          | 20x1.5ml+15x0.5ml                                | 2500rpm    |
| Without Block | Elisa plate/Deep-well plate/Tissue culture plate | 3000rpm    |

# Block Heater / Dry Bath / Metal bath

## DBI-GM5



- LED display
- Capacity:1-5mL,10 hole areas(Heating or cooling)
- Temperature Setting Range:10-90℃
- Max. Heating Speed (RT.-90℃):<10min
- Max. Cooling Speed (90℃-RT.):<4min

### Features

- Double LEDs for independent display of temperature and time;
- Max.temperature of 90℃, with support for timed and continuous operation.
- With two separate bins: a heating bin and a cooling bin. individually timed and independent of each other,each bin can store syringes ranging from 1-5mL at the same time.
- Two programs, easy to start the procedure by one key.
- A sophisticated cooling system eliminates the need for cumbersome cooling of heated protoplasmic gels.
- Safe and stable, with a timer that starts when the temperature rise reaches the set temperature and an alarm when the machine finishes running.

### Description

- Gel Maker is an important equipment to make blood plasma into autologous collagen.It adopts advanced cooling and heat system to control the temperature accurately.It can prepare plasma into protoplasmic gels, replacing the high cost filler.It has good features of non-toxic and no side effects, promotes better activity of growth factors and is widely used in the medical aesthetic industry.

### Specifications

| Model                                        | DBI-GM5                                  |
|----------------------------------------------|------------------------------------------|
| Capacity                                     | 1-5mL,10 hole areas (Heating or cooling) |
| Temperature Setting Range                    | 10-90℃                                   |
| Temperature Control Accuracy                 | ±1℃                                      |
| Temperature Increments                       | 1℃                                       |
| Temperature Display                          | 0.1℃                                     |
| Safe Temperature                             | 110℃                                     |
| Timing Function                              | Yes                                      |
| Time Setting Range                           | 0s-99min59s                              |
| Time Increments                              | 1s                                       |
| Display                                      | LED                                      |
| Max. Heating Speed (RT.-90℃)                 | <10min                                   |
| Max. Cooling Speed (90℃-RT.)                 | <4min                                    |
| Run Time                                     | Timing/continuous operation              |
| Preloaded Program                            | 2                                        |
| Power                                        | 260W                                     |
| Electricity                                  | AC 110/220V, 50/60Hz                     |
| Permissible Ambient Temperature and Humidity | 5-40℃, 80%RH                             |
| External Dimension(L*W*H)                    | 330*220*130mm                            |
| N.W./G.W.                                    | 4.2kg/5.5kg                              |
| Shipping Dimension(L*W*H)                    | 405* 300* 215mm                          |

# Block Heater / Dry Bath / Metal bath

DBI-150II-1 DBI-150II-2 DBI-150II-4

## Description

It is controlled by microcomputer, widely used in preservation and reaction of the samples, DNA amplification and pre-denaturation of electrophoresis, serum coagulation, etc.

## Features

- LED display with timer.
- Automatic fault detection with buzzer alarm.
- Temperature calibration function.
- Various blocks for optional choice, easy cleaning and disinfection.
- Built-in over-high temperature protection.



## Specifications

| Parameter                   | Type | DBI-150II-1        | DBI-150II-2   | DBI-150II-4   |
|-----------------------------|------|--------------------|---------------|---------------|
| Temperature Control Range   |      | RT+5℃~150℃         |               |               |
| Heating Up Rate             |      | ≤ 10min (20℃~100℃) |               |               |
|                             |      | ≤ 30min (20℃~150℃) |               |               |
| Temperature Stability @40℃  |      | ±0.3℃              |               |               |
| Temperature Stability @100℃ |      | ±0.5℃              |               |               |
| Temperature Stability @120℃ |      | ±1℃                |               |               |
| Display Accuracy            |      | 0.1℃               |               |               |
| Timer                       |      | 0~99h59min         |               |               |
| Max.Temperature             |      | 150℃               |               |               |
| Power                       |      | 200W               | 400W          | 600W          |
| Dimension(W*D*H)            |      | 220*260*100mm      | 220*260*100mm | 220*360*100mm |
| N.W./G.W.                   |      | 3.4kg/6kg          | 4.8kg/6.8kg   | 7.8kg/10kg    |
| Shipping Dimension(L*W*H)   |      | 480*420*250mm      | 480*420*250mm | 480*420*250mm |

## Optional Blocks

| Type            | Pictures | Tube diameter | Capacity               | Dimension(mm)   |
|-----------------|----------|---------------|------------------------|-----------------|
| D1              |          | 6mm           | 48                     | 96.5×76.5×50mm  |
| D2              |          | 7mm           | 48                     | 96.5×76.5×50mm  |
| D3              |          | 10mm          | 24                     | 96.5×76.5×50mm  |
| D4              |          | 12mm          | 24                     | 96.5×76.5×50mm  |
| D5              |          | 13mm          | 24                     | 96.5×76.5×50mm  |
| D6              |          | 15mm          | 12                     | 96.5×76.5×50mm  |
| D7              |          | 16mm          | 12                     | 96.5×76.5×50mm  |
| D8              |          | 19mm          | 12                     | 96.5×76.5×50mm  |
| D9              |          | 20mm          | 12                     | 96.5×76.5×50mm  |
| D10             |          | 26mm          | 8                      | 96.5×76.5×50mm  |
| D11             |          | 28mm          | 6                      | 96.5×76.5×50mm  |
| D12             |          | 38mm          | 3                      | 96.5×76.5×50mm  |
| D13             |          | 0.2mL tube    | 48                     | 96.5×76.5×50mm  |
| D14             |          | 0.5mL tube    | 48                     | 96.5×76.5×50mm  |
| D15             |          | 1.5mL tube    | 24                     | 96.5×76.5×50mm  |
| D16             |          | 2.0mL tube    | 24                     | 96.5×76.5×50mm  |
| D17             |          | 0.2mL         | 96                     | 96.5×153×33.5mm |
| D18             |          | Flat          | 96-pore<br>Elisa Plate | 96.5×153×22.5mm |
| For DBI-150II-1 |          |               |                        |                 |
| For DBI-150II-2 |          |               |                        |                 |
| DBI-150II-4     |          |               |                        |                 |

# Block Heater / Dry Bath / Metal bath

## DBI-TCS10

### Selling points

- Temp control range: RT.-20℃~100℃
- Speed range: 200~1500rpm
- Heating time: ≤15min(from 25℃ to 100℃)
- Cooling time1: ≤10min(from 100℃ to 25℃)  
Cooling time2: ≤20min(from RT. to RT.-20℃)



### Features

- Structural features**
  - LCD display, easy to setup and use. Speed, time and temperature settings are continuously visible on the LCD, simultaneously showing both actual and selected values.
  - Reliable design with inner e\*tra temperature protection.
  - Each device is equipped with lifter that is easy to replace different blocks.
  - Precision wells for uniform thermal transfer.
  - Assorted blocks for a wide variety of tube sizes.
  - Brushless DC Motor: noiseless long service life maintenance-free.
- Functional features**
  - Digital accuracy and convenience.
  - Accurately control and display time, temperature and speed.
  - Integral over-temperature control ensures long time, safety and sample integrity.

| Type | Capacity | Temp range | Ma* Speed |
|------|----------|------------|-----------|
| MD30 | 96*0.2ml | 0℃~100℃    | 1500rpm   |
| MD31 | 54*0.5ml | 0℃~100℃    | 1500rpm   |
| MD32 | 35*1.5ml | 0℃~100℃    | 1500rpm   |
| MD33 | 35*2.0ml | 0℃~100℃    | 1500rpm   |

### Description

- DBI-TCS10 thermo shaker is a temperature controlled shaker, which is useful for a variety of molecular biology applications, including maintaining 14℃ for ligation reactions, maintaining 17℃ for storing oocytes, storing samples at ice bucket temperatures, storing enzymes or DNA libraries at your work station, transporting samples from the field at e\*actly the right temperature, heating samples in the field, enzyme reactions and deactivations and PCR sample preparation.

### Specifications

| Model               |                   | DBI-TCS10                    |         |
|---------------------|-------------------|------------------------------|---------|
| Temp setting range  |                   | 0℃~100℃                      |         |
| Temp control range  |                   | RT.~20℃~100℃                 |         |
| Time range          |                   | 1min ~ 99h59min/∞            |         |
| Temp accuracy       |                   | ≤±0.3℃*                      |         |
| Display accuracy    |                   | 0.1℃                         |         |
| Temp uniformity     |                   | ≤±0.3℃*                      |         |
| Speed range         |                   | 200~1500rpm                  |         |
| Orbit               |                   | 3mm                          |         |
| Heating time        |                   | ≤15min(from 25℃ to 100℃)*    |         |
| Cooling time1       |                   | ≤10min(from 100℃ to 25℃)*    |         |
| Cooling time2       |                   | ≤20min(from RT. to RT.-20℃)* |         |
| Multi point running |                   | Yes(Ma*. 5points)            |         |
| Multi cycle         |                   | Yes(Ma*. 99times)            |         |
| Auto heating        |                   | Yes                          |         |
| Auto running        |                   | Yes                          |         |
| Auto resume to run  |                   | Yes                          |         |
| Storage at 4℃       |                   | Yes                          |         |
| Power               |                   | 150W                         |         |
| Electricity         |                   | AC110V~220V/50-60Hz          |         |
| Fuse                |                   | 250V 3A Φ5*20                |         |
| Dimension           |                   | 260*195*150(mm)              |         |
| Weight              |                   | 7.0kg                        |         |
| Optional Blocks:    |                   |                              |         |
| MD34                | 20*1.5ml+15*0.5ml | 0℃~100℃                      | 1500rpm |
| MD35                | 96*0.2ml          | 0℃~100℃                      | 1500rpm |
| MD36                | 24*5ml            | 0℃~100℃                      | 1000rpm |
| MD37                | 15*10ml           | 0℃~100℃                      | 1000rpm |
| MD38                | 12*15ml           | 0℃~100℃                      | 800rpm  |
| MD39                | 6*50ml            | 0℃~100℃                      | 800rpm  |

# Block Heater / Dry Bath / Metal bath

DBI-100V    DBI-100V(Heating lid)    DBI-R100V

It is controlled by PID, applied to vehicle power supply due to small palm-size and light weight. Widely used in rapid inspection kit or small labs.

## Features

- Display with timer and temperature.
- Easy to change blocks.



Automatic failure  
detection with buzzer alarm.



9 Stored programs,  
each contains 3 segments.



DC 12V, built-in over  
temperature protection.

## Specifications

| Parameter                       | DBI-100V          | DBI-100V(Heating lid) | DBI-R100V                               |
|---------------------------------|-------------------|-----------------------|-----------------------------------------|
| Temperature Range               | R.T.+5°C~100 °C   | R.T.+5°C~100 °C       | RT-30 °C ~100 °C                        |
| Temperature Set Range           | 0 °C ~100 °C      | 0 °C ~100 °C          | -10 °C ~100 °C                          |
| Heating Up Rate (20 °C~100 °C ) | ≤15m              | ≤15m                  | ≤15m                                    |
| Temperature Control Accuracy    | ±0.3 °C           | ±0.3 °C               | ±0.3 °C                                 |
| Temperature Stability@40 °C     | ±0.3 °C           | ±0.3 °C               | ±0.3 °C                                 |
| Temperature Stability@100 °C    | ±0.3 °C           | ±0.3 °C               | ±0.3 °C                                 |
| Display Accuracy                | 0.1 °C            | 0.1 °C                | 0.1 °C                                  |
| Timer                           | 0~99h,0~99m,0~99s | 0~99h,0~99m,0~99s     | 0~99h,0~99m,0~99s                       |
| Max.Temperature                 | 100 °C            | 100 °C                | 100 °C                                  |
| Max.Power                       | 48W               | 60w                   | 120W                                    |
| Cooling Down Rate               | Natural Cooling   | Natural Cooling       | ≤ 30min 100-25 °C<br>≤ 30min RT.- 20 °C |
| Heating Lid                     | No                | Yes                   | No                                      |
| Dimension (W*D*H)               | 110*160*96mm      | 110*160*136mm         | 110*160*136mm                           |
| N.W./G.W.(kg)                   | 0.9 kg/1.5kg      | 1kg/1.7kg             | 1.1kg/2.3                               |
| Package Dimension (W*D*H)(mm)   | 290*230*210mm     | 290*230*210mm         | 280*230*210                             |



DBI-100V



DBI-100V(Heating lid)



DBI-R100V

## Optional Blocks

| Type | Pictures | Tube Diameter         | Capacity |
|------|----------|-----------------------|----------|
| M1   |          | 0.2mlCentrifuge Tube  | 32       |
| M2   |          | 0.5ml Centrifuge Tube | 24       |
| M3   |          | 1.5mlCentrifuge Tube  | 15       |
| M4   |          | 2.0ml Centrifuge Tube | 15       |
| M5   |          | Cuvette               | 8        |
| M6   |          | 15ml Centrifuge Tube  | 6        |
| M7   |          | 50ml Centrifuge Tube  | 2        |
| M8   |          | 5.0mlCentrifuge Tube  | 12       |

Block Heater / Dry Bath / Metal bath

DBI-RS100II    DBI-S100II

It is designed for a variety of molecular biology applications that require consistent and precise results. Due to the combination of DC brushless motor and semiconductor cooling technology, it greatly shortens the time of experiment and improves the efficiency.It is an ideal device for sample incubation, catalysis, mixing and preservation.



Product Features



5 programmable programs builtin, linkable, recyclable.



BLDC Motor Maintenance free.



Accurate shaking speed and small fluctuation.



Various optional blocks.

Specifications

| Parameter                    | DBI-RS100II                                             | DBI-S100II       |
|------------------------------|---------------------------------------------------------|------------------|
| Temperature Control Mode     | Semi-conductor                                          | Heating membrane |
| Speed Range                  | 300~1500rpm                                             | 300~2000 rpm     |
| Temperature Control Range    | RT-20℃ ~100℃                                            | RT+5℃ ~100℃      |
| Temperature Set Range        | 0℃ ~100℃                                                | 0℃ ~100℃         |
| Heating Up Rate              | <15min(25℃ ~100℃ )                                      |                  |
| Temperature Accuracy         | ±0.3℃                                                   |                  |
| Temperature Stability @40℃   | ±0.3℃                                                   |                  |
| Temperature Stability @100℃  | ±0.3℃                                                   |                  |
| Display Accuracy             | 0.1℃                                                    |                  |
| Amplitude                    | 2mm (Horizontal rotation)                               |                  |
| Timer                        | 0~99h59min                                              |                  |
| Cooling Down Rate ( by time) | Rate ( by time) ≤ 25min<br>(Cool down from 30℃ to 10℃ ) | ---              |
|                              | ≥ 7℃ /min ( 100℃ to 20℃ )                               |                  |
| Max.Power                    | 150W                                                    | 180W             |
| Dimension ( W*D*H)           | 220*300*170mm                                           |                  |
| N.W./G.W.                    | 7.9kg/10.1kg                                            | 8.3kg/10.5kg     |
| Shipping Dimension ( W*D*H)  | 400*380*280mm                                           |                  |

Optional Blocks

| Type | Pictures | Capacity                          | Max. Temp. |
|------|----------|-----------------------------------|------------|
| A1   |          | 96*0.2mL PCR plate                | 100℃       |
| A2   |          | 54*0.5mL tubes                    | 100℃       |
| A3   |          | 35*1.5mL tubes                    | 100℃       |
| A4   |          | 35*2.0mL tubes                    | 100℃       |
| A5   |          | 20*0.5mL+15*1.5mL tubes           | 100℃       |
| A6   |          | 24*φ12mm tubes                    | 100℃       |
| A7   |          | 32*0.2mL+25*1.5mL tubes           | 100℃       |
| A8   |          | 32*0.2mL+10*0.5mL+15*1.5mL tubes  | 100℃       |
| A8-2 |          | 32*0.2mL+10*0.5mL+15*2.0mL tubes  | 100℃       |
| A9   |          | 103*67*30( water tank)            | 100℃       |
| A10  |          | 96*0.2ml Elisa Plate(Flat bottom) | 100℃       |
| A11  |          | 24*5mL Centrifuge tube            | 100℃       |
| A12  |          | 12*15mL Centrifuge tube           | 100℃       |
| A13  |          | 6*50mL Centrifuge tube            | 100℃       |
| A14  |          | Customized                        | 100℃       |

Optional lids

| Item | Picture | Model | Compliance to |
|------|---------|-------|---------------|
| Lid  |         | L-A   | A1-A9         |
| Lid  |         | L-B   | A10-A11       |
| Lid  |         | L-C   | A12-A14       |