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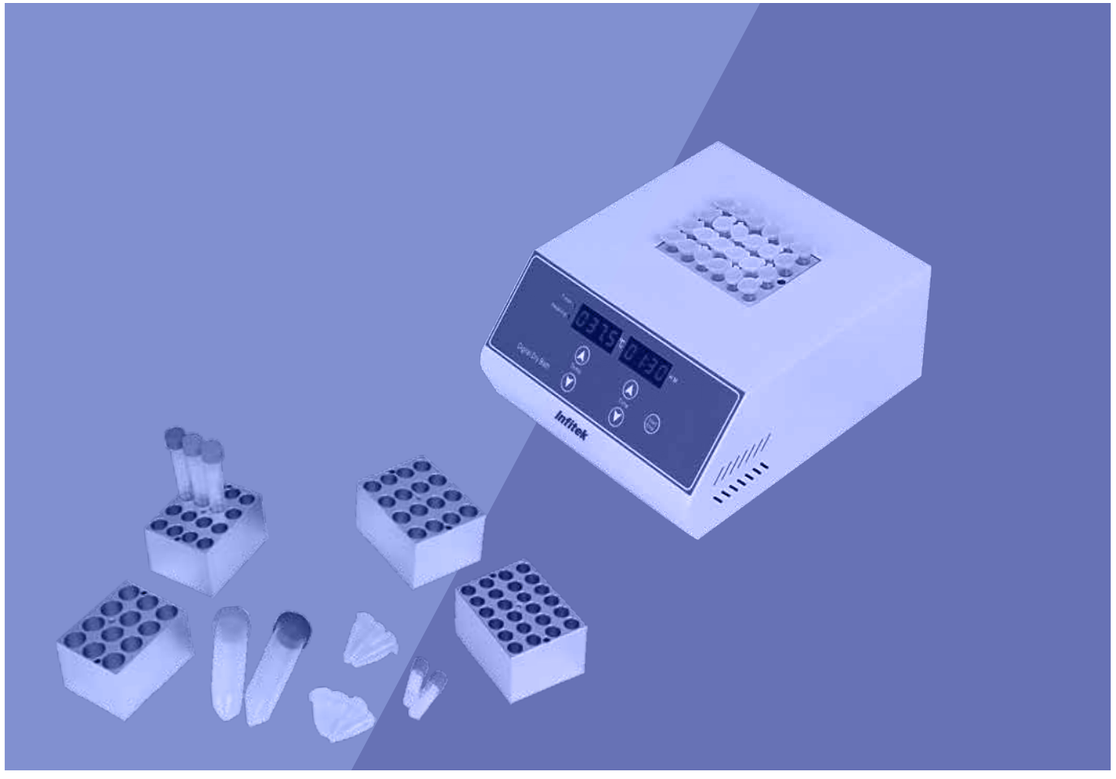
Address: 522W Riverside Ave Ste N, Spokane, WA 99201, USA
Email: Info@infitek.com

Infitek Co., Ltd.

TEL: +86-531-88982330
FAX: +86-531-88983691
Website: infitek.com
Email: info@infitek.com
Service: service@infitek.com
Address: Room 201A, Building 9 (Block B), No. 2679,
Hechuan Road, Minhang District, Shanghai,P.C.201100

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BLOCK HEATER



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	Φ13mm/15.25mm	33mm

Block Heater / Dry Bath / Metal bath

DBI-120





Features

- A wide range of temperature control up to 120°C
- Various types of optional blocks are available
- Timer control up to 99+ hours
- Overheating protection.
  Lid for protection and heat preservation.

Specifications

Model	DBI-120
Functions	Heating
Temperature range	Room temp.-120 ℃
Temperature setting range	15 ℃-120 ℃
Temperature control accuracy (at 37 ℃)	±0.5 ℃
Temperature uniformity	±0.5 ℃
Max. heating rate	5.5 ℃/min
Overheating protection	140 ℃
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 Thin: 18900274		54×0.2 mL	6.4 mm	15 mm
Standard: 18900219 Thin: 18900275		40×0.5 mL	8.2 mm	26.4 mm
Standard: 18900253 (1.5 mL) 18900220 (2 mL) Thin: 18900276 (1.5 mL) 18900277 (2 mL)		40×1.5 mL 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 Thin: 18900278		18×0.2mL+18×0.5mL+18×1.5/2mL	-	
Standard: 18900223 Thin: 18900279		Microplate	-	
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 90~105: ±0.6	25~90: ±0.3 90~105: ±0.6	25~90: ±0.3 90~105: ±0.6	25~90: ±0.3 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 15 mm
18900410		20×0.5 mL	8.2 mm 26.4 mm
18900461		20×1.5 mL	11 mm 24.7 mm
18900462		20×2 mL	11 mm 34.7 mm
18900413		4×50 mL	29.8 mm 48 mm
18900522		Two-in-one block, bead bath/water bath Adapt to S1	
18900523		Two-in-one block, bead bath/water bath 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.



DBI-130-4



DBI-160-1



DBI-160-2

Specifications

Product model	Parameters		
Product model	DBI-160-1	DBI-160-2	DBI-130-4
Temperature range	RT.+5℃~160℃	RT.+5℃~160℃	RT.+5℃~130℃
Temp accuracy	±0.5℃(@40℃)		
Temp accuracy	±1℃(@120℃)		
Temp uniformity	±0.5℃		
Display accuracy	0.1℃		
Time range	1-99h59min/∞		
Heating time	≤15min(from 25℃ to 160℃)	≤15min(from 25℃ to 160℃)	≤20min(from25℃ to 130℃)
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	Diameterof 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

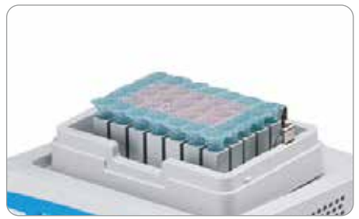
Block Heater / Dry Bath / Metal bath

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)
	6x50ml(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 ℃ 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.) 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 ℃
	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.)
	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 seperately, 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.



- 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*@37C
Display accuracy	0.1C
Temp uniformity	≤±0.3C@37C *
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

Feature

Automatic running function.

Auto resume to run after power failure.

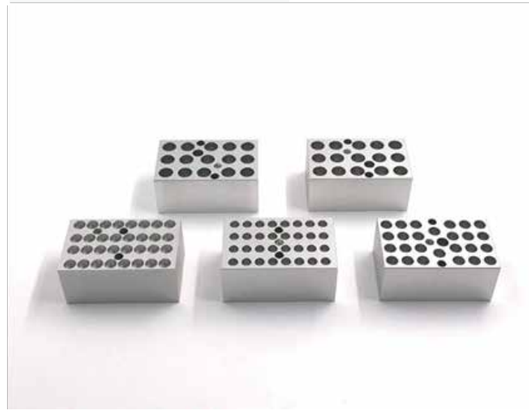
Automatic preheating function.

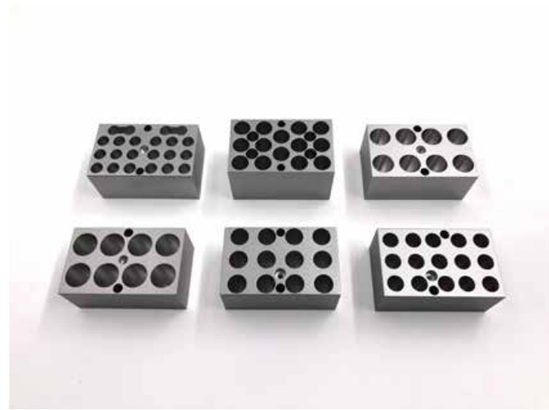
Built-in temperature calibration function. Accurate temperature control, high stability.

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.





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°C		
Temperature Stability @100℃	±0.5℃		
Temperature Stability @120℃	±1°C		
Display Accuracy	0.1°C		
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 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°C for ligation reactions, maintaining 17°C 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



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℃	R.T.+5°C~100℃	RT-30℃ ~100℃
Temperature Set Range	0℃ ~100℃	0℃ ~100℃	-10℃ ~100℃
Heating Up Rate (20℃~100℃)	≤15m	≤15m	≤15m
Temperature Control Accuracy	±0.3℃	±0.3℃	±0.3℃
Temperature Stability@40℃	±0.3℃	±0.3℃	±0.3℃
Temperature Stability@100℃	±0.3℃	±0.3℃	±0.3℃
Display Accuracy	0.1℃	0.1℃	0.1℃
Timer	0~99h,0~99m,0~99s	0~99h,0~99m,0~99s	0~99h,0~99m,0~99s
Max.Temperature	100℃	100℃	100℃
Max.Power	48W	60w	120W
Cooling Down Rate	Natural Cooling	Natural Cooling	≤ 30min 100-25℃ ≤ 30min RT.- 20℃
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

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.



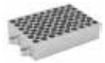
Product Features

- 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 (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