JOANLAB®

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User manual

I: Product brief

JOANLAB dry bath adopts international advanced design concept and manufacturing technology, with smooth appearance and popular design, with compact and sturdy structure, as well as strong versatility, easily operation,which make it a good scientific research equipment.

Micro computer control and semiconductor heating/cooling, can be widely used in sample preservation and reaction,DNA amplification and electro-phoresis of pre-denaturation, serum coagulation, etc.
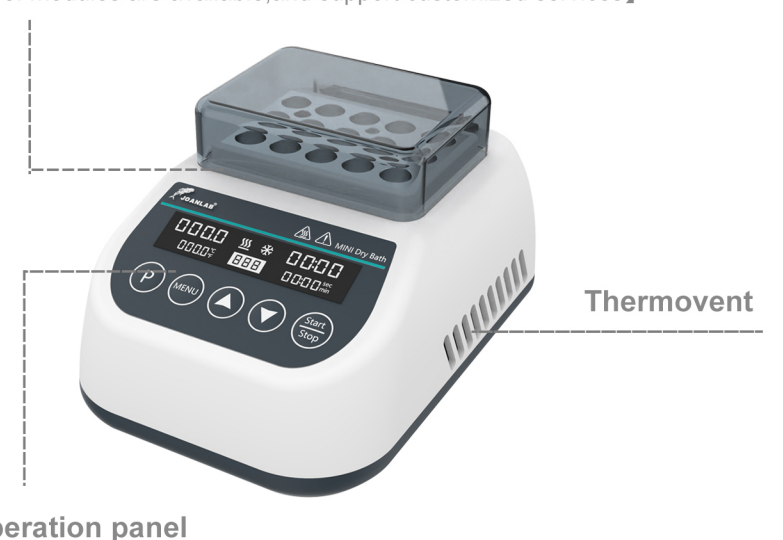
II: Product overview

III:Product introduction

Replaceable Aluminum heating block
【Various of modules are available,and support customized services】

Thermovent

Operation panel

Adapts to Replaceable DB Aluminum Heating Block
【Various of modules are available,and support customized services】

Operation panel

IV: Product data

Model	MDB100C	MDB100	DB100C	DB100	DB100-2P
Product name	Mini Dry Bath		Dry Bath		
Picture					
Adapted heating blocks	MDB models		DB models		Adapts to Replaceable DB Aluminum Heating Block
Temp range	RT-15℃ ~ 100℃	RT+5℃ ~ 100℃	RT-15℃ ~ 100℃	RT+5℃ ~ 100℃	RT+5℃ ~ 100℃
Temp stability	±0.5℃		±0.5℃		±0.5℃
Display Accuracy	0.1℃		0.1℃		0.1℃
Heating up time	≤12min(25-100℃)		≤12min(25-100℃)		≤12min(25-100℃)
Cooling time	20-25min(15-0℃)	/	20-25min(15-0℃)	/	/
Multi program running	Yes (1-9段)	No	Yes (1-9段)	No	No
Timing range	5s - 23h59min		5s - 23h59min		5s - 23h59min
Power	60W	48W	96W		200W
Power supply	AC100-240V转DC24V				AC110V / AC220V
Heating block size	71*47*32 mm		110*75*32 mm		110*75*32 mm *2
Product size	160*115*96 mm		170*160*102 mm		280*180*85 mm

Model number	Adapter module	Capacity
MDB	MDB1	0.2ml Centrifuge tube * 40
	MDB2	0.5ml Centrifuge tube * 24
	MDB3	1.5ml Centrifuge tube * 15
	MDB4	2.0ml Centrifuge tube * 15
	Modules can be customized according to customer needs	

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Model number	Adapter module	Capacity
DB	DB1	0.2ml Centrifuge tube * 96
	DB2	0.5ml Centrifuge tube * 48
	DB3	1.5ml Centrifuge tube * 35
	DB4	2.0ml Centrifuge tube * 35
	DB5	5ml Vacuum blood tube * 24
	DB6	5/15ml Centrifuge tube * 12
	DB7	50ml Centrifuge tube * 6
	DB8	Flat bottom plate (This module is integrated with the machine and can't be removed)
	DB9	Cuvettes dedicated module
	DB10	Aluminum beads (This module is integrated with the machine and can't be removed)
	DB-G	Gel machine Heating block syringes(10ml*5 5ml*5 2.5ml*5) (This module is integrated with the machine and can't be removed)
	Modules can be customized according to customer needs	

Model number	Adapter module	Capacity
DB100-2P	DB2-1	Sand bath module (Integral module) (This module is integrated with the machine and can't be removed)

V: Correct usage

/// Basic usage

Application

> Mainly used in sample preservation and reaction,DNA amplification and electrophoresis of pre-denaturation, serum coagulation, etc.

Usage

> Widely used in medicine, chemical industry, food safety, quality inspection, environment and so on.

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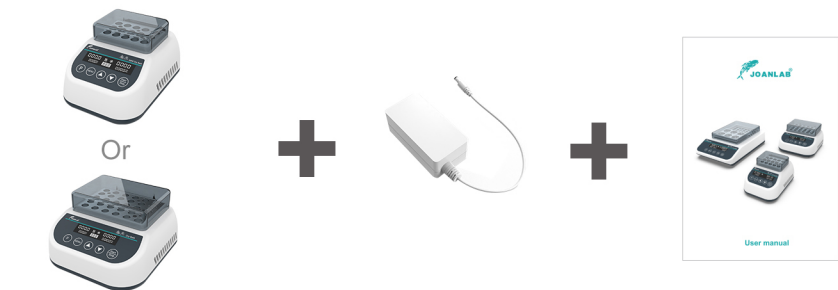## Steps for usage

> Press the MENU key to set the required temperature and time

> If you need to memorize the program,short press P key to enter program settings,then press MENU to select program number and set the temperature and time in turn,the device will automatic memory program after completion.9 programs of data could be saved.

> Long press P key to enter gradient operation mode, press MENU to select the required program number.The program runs sequentially from low to high without skipping the program.

> Long press P key to enter gradient operation mode, press MENU to select the required program number.The program runs sequentially from low to high without skipping the program.

Delivery list

MDB100 / DB100

>dry bath   > Power cord   > User manual

Or

+   +

User manual

DB100-2P

>dry bath   > Power cord   > User manual

+   +

User manual

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Product conformity certificate

Product Name :   **Dry Bath**

Model number : ☐ MDB100C   ☐ MDB100
☐ DB100C   ☐ DB100   ☐ DB100-2P

Production date : _____

Manufacturer : Joan Lab Equipment (Zhejiang) Co., Ltd.

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