



Dry Bath Incubator

User Guide

(Part #: DB100, DB100-C, MDB100, MDB100-C)

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I: Brief Introduction

SciGene dry bath adopts international advanced design concept and manufacturing technology with sturdy structure and easy operation. Microcomputer control and semiconductor heating/cooling, can be widely used in sample preservation and reaction, DNA amplification and electrophoresis of pre-denaturation, serum coagulation, etc.

Features:

- Instant temperature display, both heating and cooling
- Multiple program running - 9 programs can be set
- Temperature deviation Calibration function
- Built-in safety device for over-temperature
- Intelligent algorithm
- Automated recovery of power cut
- Multiple modules options
- LED display
- Failure Detection and Buzzing alarm

II: Product Overview





III: Product Details

Replaceable Aluminum heating block



【Various of modules are available, and support customized services】



IV: Technical Data

Model #	MDB100-C	MDB100	DB100-C	DB100
Picture				
Temperature Range	Room temp -15 °C ~ 100 °C	Room temp +5 °C ~ 100 °C	Room temp -15 °C ~ 100 °C	Room temp +5 °C ~ 100 °C
Temperature Stability	±0.5 °C			
Display Accuracy	0.1 °C			
Heating up time	≤12min (25-100 °C)			
Cooling time	20-25min (15-0 °C)	/	20-25min (15-0 °C)	/
Multi program running	Yes (1-9)	NO	Yes (1-9)	NO
Timing range	1s – 23h59min			
Power	60W	48W	96W	
Power Supply	AC100-240V/ 1.5A turn to DC24V/4A		AC100-240V/ 1.5A turn to DC24V/4A	
Heating Block Dimension	71 x 47 x 32 mm		110 x 75 x 32 mm	
Product Dimension	160 x 115 x 96 mm		170 x 160 x 102 mm	

Optional Modules:

Model Number	Adapter Module	Capacity
	MDB100-1	Centrifuge tube: 0.2ml x 40
	MDB100-2	Centrifuge tube: 0.5ml x 24
	MDB100-3	Centrifuge tube: 1.5ml x 15
	MDB100-4	Centrifuge tube: 2.0ml x 15
	DB1	Centrifuge tube: 0.2ml x 96
	DB2	Centrifuge tube: 0.5ml x 48
	DB3	Centrifuge tube: 1.5ml x 35
	DB4	Centrifuge tube: 2.0ml x 35
	DB5	Vacuum blood tube: 5ml x 24
	DB6	Centrifuge tube: 5/15ml x 12
	DB7	Centrifuge tube: 50ml x 6
	DB8	Flat bottom plate (ELISA plate/culture plate, etc.)
	DB9	Cuvettes dedicated module

V: Operation Guide

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.

Steps of 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.

Safety Precautions

- Do not unplug and plug the power connector or toggle the power button when your hands are wet with liquid
- Do not unplug the power plug when the instrument is powered on
- Do not clean the instrument when it is powered on
- Do not install the instrument on an uneven, swaying and vibrating work surface

Package List



1295 Morningside Avenue, Unit 16-18
Scarborough, ON M1B 4Z4 Canada
Phone: 416-261-4865 Fax: 416-261-7879
www.scigiene.com

