Genius Dry Bath Incubator

MD series

The Genius Dry Bath Incubators come in either single or dual block models, along with a complete set of interchangeable blocks. It is designed for a variety of applications, including restriction digest, denaturing DNA melting agar, coagulation studies, hybridization and hot start thermo-cycled reaction. The microprocessor controller offers highly accurate temperature control, rapid heating and excellent stability. The temperature can be set in increments of 0.1°C from 5°C above ambient to 150°C. An optional temperature probe is available to place directly in samples. A timer can be set from 1- 999mins. The MD series can be used as a mini water bath or bead bath. Optional function control software allows the dry bath incubator to perform real-time data recording through a PC.

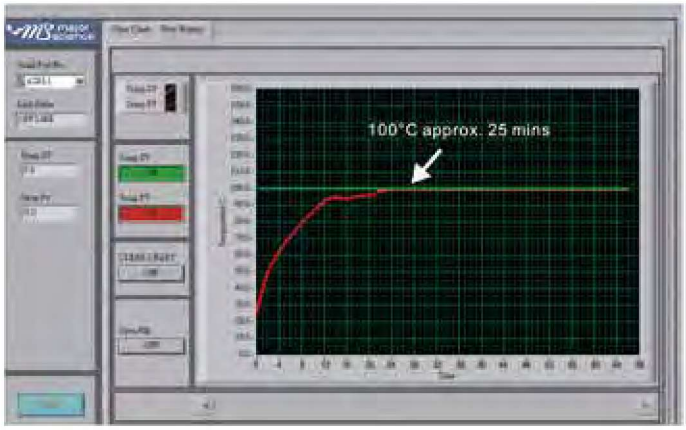


MD-01N



MD-02N

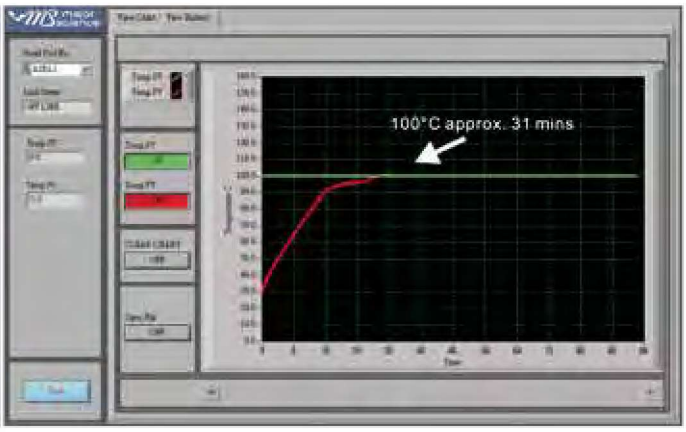
MD-01N



- Temp. set value:100°C
- Initial temp. value:25°C

Block model: MD-B1.5
Process time: Approx. 25mins

MD-02N



- Temp. set value:100°C
- Initial temp. value:30°C

Block model: MD-B1.5
Process time: Approx. 31mins

Features

- Digital microprocessor offers precise performance control
- Highly accurate temperature control and broad control range
- Rapid heating rate
- Digital LED display & timer
- User temperature calibration
- Molded aluminum alloy chamber
- Function control software available



Can be used as a water bath

* All images are for reference only, actual products might differ from the pictures above.
* Technical specifications subject to change without notice.



with beads



with water



with block

Specification

Cat. No.	MD-01N (Single Block)	MD-02N (Dual Block)
Display	LED	
Power	125W	200W
Dimension (WxLxH)	Approx. 7.9"x11.7"x3.2" (200x298x80mm)	
Controller	Digital microprocess controller	
Heating Chamber	Molded Waterproof aluminum alloy coated with PTFE	
Temperature Control Range	5°C above ambient to 150°C**	
Temperature Increment	0.1°C	
Temperature Uniformity	±0.2°C at 37°C	
Temperature Accuracy	±0.2°C at 37°C	
Temperature Calibration	Yes	
Timer	999 (min) / Continuous	
Safety	Leak proof heating chamber	
	Over temperature protection	
	SSR failure detection	
Operating Temperature	Ambient to 40°C	
Special Feature	Can be used as water bath or bead bath incubator	
Block Material	Aluminum alloy	
Block Type	Standard and customized types are available	
PC Connection	RS232	
Rated Voltage	110V / 220V~	
Weight	Approx. 4.6lb (2.1kg)	Approx. 6.2lb (2.8kg)
Blocks		
Block Material	Aluminum alloy	
Dimension (WxLxH)	Approx. 3.1"x4.1"x2" (79x104x50mm) for standard type	
Block Lifter Well	Yes	
Thermometer Well	Yes (except microplate blocks)	

Ordering Information

Cat. No.	Product Description
MD-01N-110/220	Genius Dry Bath Incubator (One block unit); without block
MD-02N-110/220	Genius Dry Bath Incubator (Dual block unit); without block

Accessories

Cat. No.	Product Description
MD-RS232	RS 232 cable
MD-PCSW	Data record and function control software package
MD-PCSW-R	Data record and function control software package, including a RS232 cable
MD-MP01-S	For microplate; titerplate (Plain Block for Single Block unit only)
MD-MP01-D	For microplate; titerplate (Dual Block unit only)
MD-MP02-S	For 96 wells deep microplate or PCR plate (for Single Block unit only)
MD-MP02-D	For 96 wells deep microplate or PCR plate (for Dual Block unit only)
MD-B0.2	For 0.2ml tube, 64 wells (or 0.2ml PCR strip tube for 8 wells x 8)
MD-B0.5	For 0.5ml tube, 20 wells
MD-B1.5	For 1.5ml tube, 20 wells
MD-B0.5+1.5	Combination: for 0.5ml tube, 12 wells; and for 1.5ml tube, 12 wells (on the same side)
MD-B0.5/1.5	One side for 1.5 or 2.0ml tube, 20 wells and another side for 0.5ml tube, 30 wells (on the opposite side)
MD-B13	Well size 13mm, 20 wells
MD-B17	For 15ml centrifuge tube, 12 wells
MD-B20	Well size 20mm, 12 wells
MD-B25	Well size 25mm, 6 wells
MD-B29	For 50ml centrifuge tube, 4 wells

* For a complete list of accessories, please refer to Page 71-74
**For prevent temperature difference effect and keep temperature stable, PQ is required in high temperature control mode(>=140 °C) or contact the local dealer before ordering.
***For the thermoblock requirement of dual block unit, please discuss with local dealer before order.

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