

# Mini Cooling Dry Bath Incubator

MC-0203

The product line Mini Cooling Dry Bath Incubator is the mini-series of our ultimate dry bath. It is designed to meet the requirement of accurate temperature control, ease of data transferring and programming, small foot print and ease of use. Experience the exceptional heating/cooling rate with quick start feature and the portability to work your sample on the road! Perfect instrument can be used in QC process such as in food industry.



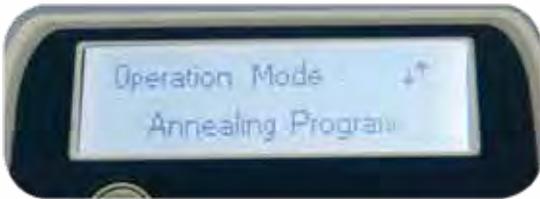
MC-0203



Can be used as a bead bath

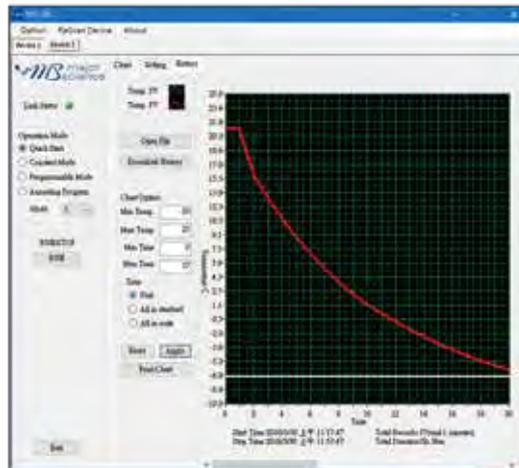


Quick start program



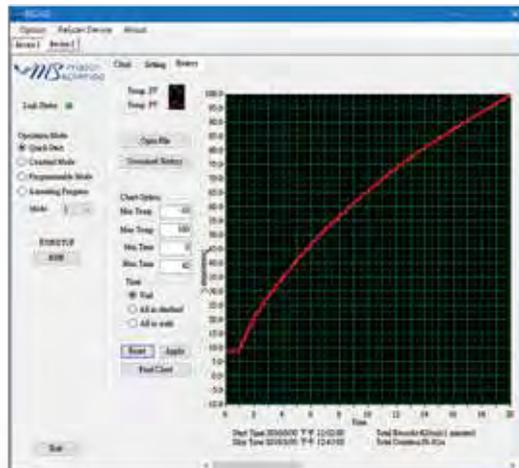
Annealing program

## Functional control software



- Temp. set value: -6°C
- Initial temp. value: 20.6°C
- Block type: MD-MINI-B02
- Process time: Approx. 20mins

## Functional control software for cooling and heating models



- Temp. set value: 100°C
- Initial temp. value: 9°C
- Block type: MD-MINI-B02
- Process time: Approx. 20mins

### Features

- Small size, fits in your palm
- User temperature calibration
- Single molded chamber, no cracks or welds
- PTFE coated chamber resists stains
- Can be used as a mini water bath or bead bath
- Outstanding heating and cooling rate
- Different sizes of aluminum alloy block available for selection
- Clear cover to ensure temperature uniformity
- Quick start / Constant mode / programmable mode / Annealing program operation mode
- Optional in car power adaptor provides portability on the road

## Specification

Cat. No.	MC-0203
Display	LCD
Power	max. 60W
Dimension (WxLxH)	Approx. 5.3"x6"x7.3" (135x152x185mm) (excluding lid)
Controller	High performance 32 bits microprocessor
Heating /Cooling Chamber	Molded waterproof aluminum alloy coated with PTFE
Temperature Control Range	30°C below ambient temperature (minimum -10°C) to 100°C
Temperature Increment	0.1°C
Temperature Uniformity	± 0.2°C at 37°C
Temperature Accuracy	± 0.25°C at 37°C
Temperature Calibration	Yes
Heating Rate	Max. 5°C per min
Cooling Rate	Max. 4°C per min
Timer	9999 (min)
Cooling/ Heating Parts	Peltier / Heating element
Operation Mode	Constant operation: constant temperature (-10°C to 100°C)
	Program operation: 1-4 steps and up to 9 cycles
	Annealing program
	Quick start program: 4°C, 16°C, 37°C, 56°C, 95°C pre-set
Safety	Leak proof heating chamber
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 type are available
PC Connection	USB
Weight	Approx. 2.9lb (1.3kg)



Annealing Program

Initial Temp.	95.0
Descending Temp.	5.0
Holding Time.	5
Final Temp.	4.0



As a water bath

## Ordering Information

Cat. No.	Product Description
MC-0203	Mini Cooling Dry Bath Incubator, programmable cooling and heating; without block

## Accessories

Cat. No.	Product Description
MC-0200-SW	Functional control software for Mini Cooling Incubator including a USB cable
MD-MINI-B01	For 0.2ml tube (PCR strip tube), 32 wells, φ6.35mm, depth 19mm, (WxLxH) 47x71x32mm
MD-MINI-B02	For 1.5ml tube, 12 wells, φ10.8mm, depth 28.5mm, (WxLxH) 47x71x32mm
MD-MINI-B03	For 15ml tube, 6 wells, φ17.3mm, depth 70mm, (WxLxH) 47x71x75mm
MD-MINI-B04	For 50ml tube, 2 wells, φ29.2mm, depth 72mm, (WxLxH) 47x71x75mm
MD-MINI-B05	For 0.5ml tube, 12 wells, φ8.0mm, depth 25mm, (WxLxH) 47x71x32mm
MD-MINI-B06	For 2.0ml or 1.5ml tube, 12 wells, φ11.0mm, depth 30mm, (WxLxH) 47x71x32mm
MD-MINI-B07	For 1.5ml tube, 12 wells, φ10.9mm, depth 30mm, (WxLxH) 47x71x32mm
MS-BL95-E	Block Lifter, 95mm length, with E-type retaining rings
MD-MINI-LID	MD-MINI lid, (WxLxH) 83x58.5x31.5mm
MD-MINI-CAR-ADAPTER	Car adapter for MD-MINI and MC-0203, 1.5M

\* For a complete list of accessories, please refer to [Page 71-74](#)



MD-MINI-LID



MD-MINI-CAR-ADAPTER



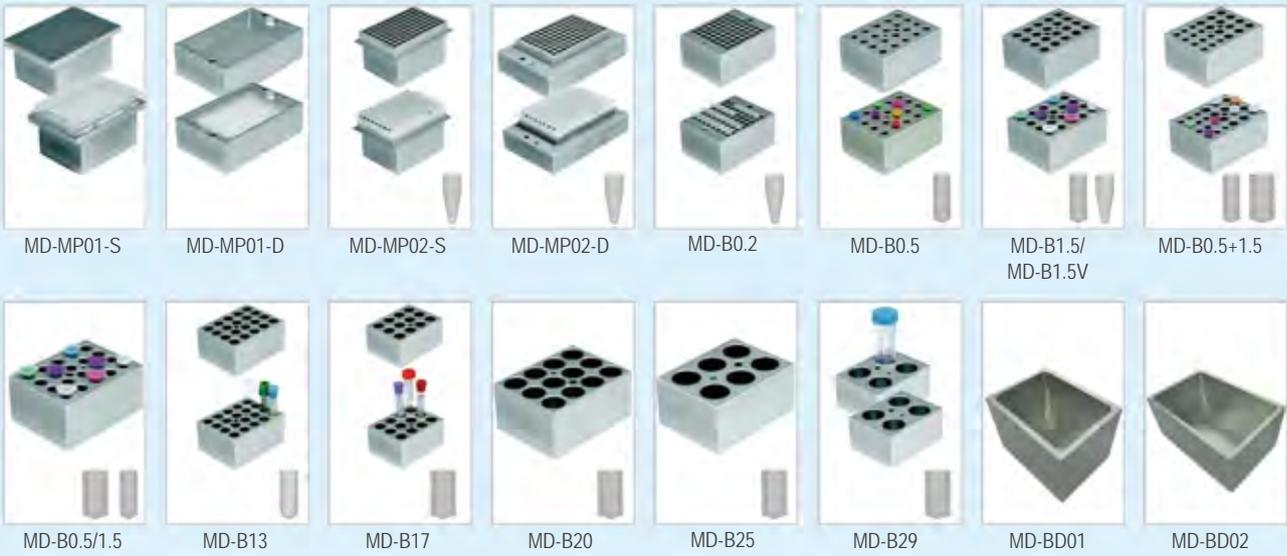
\* All images are for reference only, actual products might differ from the pictures above.  
\* Technical specifications subject to change without notice.

MS Thermoblock Dry Bath Incubator

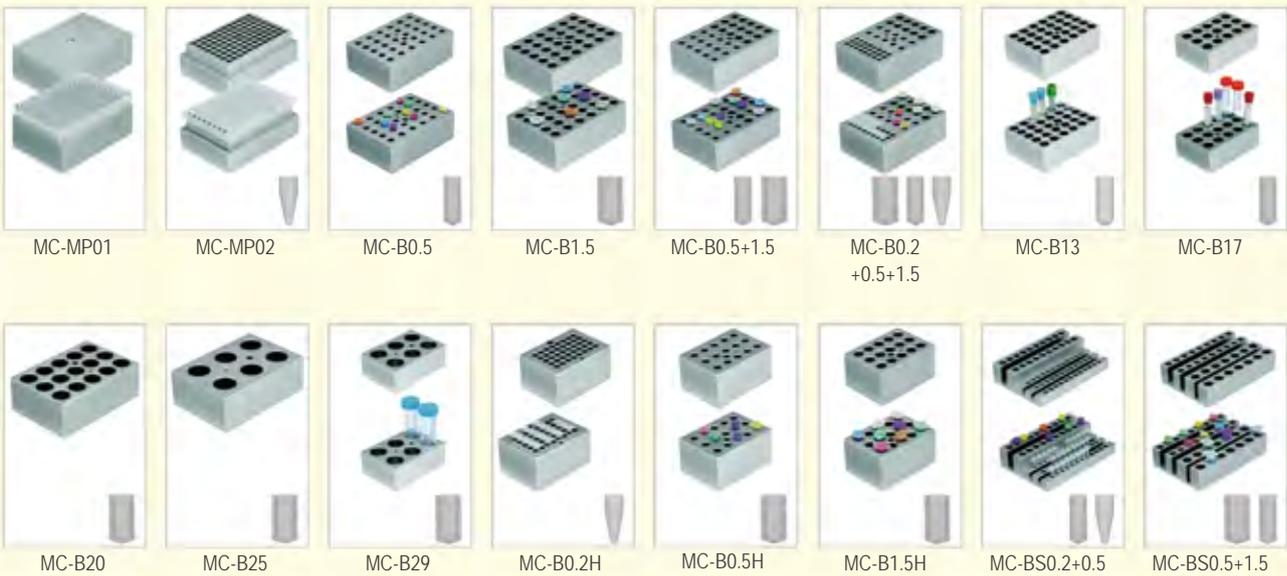
Mini Dry Bath Blocks



Dry Bath Blocks



Ultimate Dry Bath Blocks



MC-BD



MS-BL95-E

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## Ordering Information\*\*

Cat. No.		Product Description
Mini Dry Bath Blocks	MD-MINI-B01	For 0.2ml tube (PCR strip tube), 32 wells, Ø6.35mm, depth 17mm, (WxLxH) 47x71x32mm
	MD-MINI-B02	For 1.5ml tube, 12 wells, Ø10.88mm, depth 30mm, (WxLxH) 47x71x32mm
	MD-MINI-B03	For 15ml tube, 6 wells, Ø17.3mm, depth 70mm, (WxLxH) 47x71x75mm
	MD-MINI-B04	For 50ml tube, 2 wells, Ø29.0mm, depth 70mm, (WxLxH) 47x71x75mm
	MD-MINI-B05	For 0.5ml tube, 12 wells, Ø7.9mm, depth 25mm,(WxLxH) 47x71x32mm
	MD-MINI-B06	For 2.0ml or 1.5ml tube, 12 wells, Ø11.0mm, depth 30mm, (WxLxH) 47x71x32mm
	MD-MINI-B07	For 2.0ml or 1.5ml tube, 12 wells, Ø11.0mm, depth 30mm, (WxLxH) 47x71x32mm
	MS-BL95-E	Block Lifter, 95mm length with E-type retaining rings
Dry Bath Blocks	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 or 2.0ml tube, 20 wells
	MD-B1.5V	For 1.5ml or 2.0ml V-shaped 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
	MD-BD01	Single bead MD dry bath block, (WxLxH) 79x104x76mm
	MD-BD02	Dual bead MD dry bath block, (WxLxH) 104x158x76mm
MS-BL95-E	Block Lifter, 95mm length with E-type retaining rings	
Ultimate Dry Bath Blocks	MC-MP01	For Microplate; titerplate (Plain Block)
	MC-MP02	For 96 wells deep microplate or PCR plate
	MC-B0.5	For 0.5ml, 30 wells
	MC-B1.5	For 1.5 or 2.0ml, 30 wells
	MC-B0.5+1.5	Combination: for 1.5ml or 2.0ml tube, 15 wells and 0.5ml tube, 15 wells (on the same side)
	MC-B0.2+0.5+1.5	Combination: 0.2ml tube (or strip tube for 8 wells ), 24 wells; 1.5ml or 2.0ml tube, 10 wells and 0.5ml tube, 10 wells (on the same side)
	MC-B13	Well size 13mm, 30 wells
	MC-B17	For 15ml centrifuge tube, 15 wells
	MC-B20	Well size 20mm, 15 wells
	MC-B25	Well size 25mm, 6 wells
	MC-B29	For 50ml centrifuge tube, 6 wells
	MC-B0.2H	(1/2) half block for 0.2ml tube, 40 wells ( or 0.2ml PCR strip tube for 8 wells x 5) One Ultimate Dry Bath Incubator can insert 2ea of half block
	MC-B0.5H	(1/2) half block for 0.5ml tube, 15 wells One Ultimate Dry Bath Incubator can insert 2ea of half block
	MC-B1.5H	(1/2) half block for 1.5 or 2ml tube, 15 wells One Ultimate Dry Bath Incubator can insert 2ea of half block
	MC-BS0.2+0.5	Combination: 0.2ml tube, 36 wells; 0.5ml, 20 wells
	MC-BS0.5+1.5	Combination: 0.5ml tube, 18 wells; 1.5ml, 14 wells
	MC-BD	Ultimate bead bath block, (WxLxH) 90x127x76mm
	MS-BL95-E	Block Lifter, 95mm length with E-type retaining rings

\* For the tube bottom type (round, conical or flat), please refer to the pictures on page 72.

\*\*Customized block is available and contact the local dealer before order.