



*Innovative Life Sciences Tools*



# 2019-2020 BROCHURE

*Dry Bath Block / Beads*



# Dry Bath Block / Beads

The precisely machined aluminum alloy blocks deliver efficient heat transfer and are suitable for microplate and various test tubes ranging from 0.2ml to 50ml centrifuge tubes.



Mini Dry Bath Block, MD-MINI series



Dry Bath Block, MD series



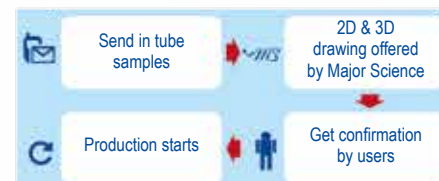
Ultimate Dry Bath Block, MC series

## Dry Bath Block Specifications

\*Customized blocks available.

Cat. No.	Mini Dry Bath Blocks	Dry Bath Blocks	Ultimate Dry Bath Blocks
Block material	Aluminum alloy		
Dimension (mm) (WxLxH)	47x71x32 (MD-MINI-B01/02/05/06/07) 47x71x75(MD-MINI-B03/04)	87x128x62.3(MD-MP01-S) 104x158x50 (MD-MP01-D/ MD-MP02-D) 87x128x69.5(MD-MP02-S) 79x104x50(standard blocks)	89x129x46(standard blocks) 64.5x89x46 (MC-B0.2H/0.5H/1.5H) 89x129x30 (MC-BS0.2+0.5/0.5+1.5)

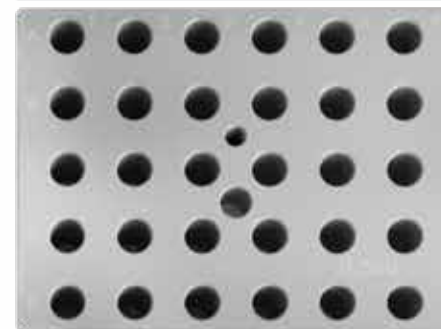
## Flow chart for customization process:



## Metallic Thermal Beads Specifications

Cat. No.	Metallic Thermal Beads
Properties	Metal composition
	Moisture and gas impermeable
	High thermal conductivity
	Smooth, rounded surface
Working temperature range	-80°C to 180°C
Size	Diameter 5-8mm, Height 1-2mm

Metallic thermal beads as an alternative to the dry bath aluminum blocks. The beads are dry metallic thermal alloy designed to replace water in a water bath and ice in an ice bucket.



Laser marked on the selected blocks

### 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



MS-BL95-E

### Dry Bath Blocks



MD-MP01-S	For microplate; titerplate (Plain Block for Single Block unit only)	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-MP01-D	For microplate; titerplate (Dual Block unit only)	MD-B13	Well size 13mm, 20 wells
MD-MP02-S	For 96 wells deep microplate or PCR plate ( for Single Block unit only)	MD-B17	For 15ml centrifuge tube, 12 wells
MD-MP02-D	For 96 wells deep microplate or PCR plate ( for Dual Block unit only)	MD-B20	Well size 20mm, 12 wells
MD-B0.2	For 0.2ml tube, 64 wells (or 0.2ml PCR strip tube for 8 wells x 8)	MD-B25	Well size 25mm, 6 wells
MD-B0.5	For 0.5ml tube, 20 wells	MD-B29	For 50ml centrifuge tube, 4 wells
MD-B1.5	For 1.5ml or 2.0ml tube, 20 wells	MD-BD01	Single bead MD dry bath block, (WxLxH) 79 x104x76mm
MD-B1.5V	For 1.5ml or 2.0ml V-shaped tube, 20 wells	MD-BD02	Dual bead MD dry bath block, (WxLxH) 104 x158x76mm
MD-B0.5+1.5	Combination: for 0.5ml tube, 12 wells; and for 1.5ml tube, 12 wells (on the same side)	MS-BL95-E	Block Lifter, 95mm length with E-type retaining rings

\*All technical specifications are subject to change without notice.

\*Please visit our website at [www.majorsci.com](http://www.majorsci.com) for more product selection and detailed information.



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

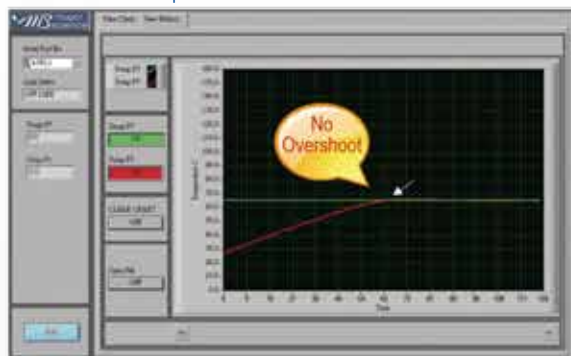
MC-B29	For 50ml centrifuge tube, 6 wells
MC-B0.2H	(1/2) half block for 0.2ml tube, 40 wells (or 0.2ml PCR strip tube for 8 wells x 5) One Ultimate Dry Bath Incubator can insert 2ea of half block
MC-B0.5H	(1/2) half block for 0.5ml tube, 15 wells One Ultimate Dry Bath Incubator can insert 2ea of half 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) 90 x127x76mm
MS-BL95-E	Block Lifter, 95mm length with E-type retaining rings

## Stirring Water Bath

SWB series

Cat. No.	SWB-10L-1	SWB-10L-2	SWB-20L-1	SWB-20L-3
Number of stirring mechanisms	1	2	1	3
Stirring speed	400-1500rpm (measured by percentage)			
Bath capacity	Approx. 10L		Approx. 20L	
Water circulation function	Yes			
Display	LCD			
Heating power	600W		800W	
Controller	Digital microprocessor controller			
Bath temperature	5 °C above ambient to 99 °C			
Temperature increment	0.1°C			
Temperature accuracy	± 0.2 °C at 37 °C			
Timer	99 (hr): 59 (min) / Continuous			
Safety device	Warning indication on screen with alarm and automatic shut down			
Bath Inner dimension (mm)(WxLxH)	240x300x150		300x500x150	
Dimension (mm)(WxLxH)	255x355x240 (without lid)		330x540x240 (without lid)	

As little as 34/60 mins required to reach 65°C in 10L/20L bathes.



### SWB-20L Series

- Temp. set value: 65°C
- Initial temp. value: 27°C
- Water volume: 12 liters
- Process time: Approx. 60mins

### SWB-10L Series

- Temp. set value: 65°C
- Initial temp. value: 17°C
- Water volume: 5 liters
- Process time: Approx. 34mins



- Built-in magnetic stirring mechanism ensures outstanding temperature uniformity
- Polycarbonate lid for better observation
- User temperature calibration
- Data logging software available upon ordering

Max. capacity:  
15 sets of 250ml flasks  
8 sets of 500ml flasks



Illustrates max. chamber capacity only.

Max. capacity:  
6 sets of 250ml flasks  
4 sets of 500ml flasks



Built-in magnetic stirring mechanism ensures outstanding temperature uniformity



Water circulation function

- Magnetic agitator
- Stir bar



Side opening of the lid to allow minimum evaporation while maintaining water bath temperature.



Concave lid design allows condensation flow back to the tank.



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