



## **Aluminum blocks & Beads**

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## Metallic Thermal Beads Mini Dry Bath Blocks Dry Bath Blocks Ultimate Dry Bath Blocks

### For Beads

Major Science offers you the 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. Not only our metallic thermal beads provide you far less conductive to contamination than a water bath when using in a dry bath incubator, the beads are also recyclable which brings you convenience to eliminate the routine use of harmful germicides and are more energy efficient than water. The metallic thermal beads also help to eliminate maintenance tasks such as emptying, cleaning, monitoring, and refilling the water bath to give you a more hassle-free environment in the lab. We specifically package the beads in a standard package for your ease of ordering.

### For Blocks

The dry bath blocks are designed for the MS Thermoblock Dry Bath Incubator. The precisely machined aluminum alloy blocks deliver efficient heat transfer and are suitable for microplate and various test tubes ranging from 0.2 ml to 50 ml centrifuge tubes. In addition to the standard blocks, customized blocks are also available for specified user requirements.

### Features:(for Beads)

- Fully compatible with MS dry bath incubators
- Keeps your equipment dry and protected from water-borne microbial contaminants
- Broad temperature range from -80°C to 350°C
- 50% more energy efficient than water bath
- High efficiency to warm, thaw, incubate and chill samples at constant temperatures
- Eliminates the hassle of emptying, cleaning and refilling water baths or changing blocks
- Accepts and support any size and shape vessel
- Stays clean and disinfects easily

### Features:(for blocks)

- Precisely CNC machined aluminum alloy blocks
- R -curve edged block design
- Through Send Blast Anodizing Surface treatment, it ensure a nice & smooth surface block with a longer durability
- Laser marked on the selected blocks



beads



## Thermal Beads Specifications

Cat. No.	Product Description
Properties	Metal composition
	Moisture and gas impermeable
	High thermal conductivity
	Smooth, rounded surface
Working temperature range	-80°C to 180°C
Size	Diameter 5 – 8 mm, Height 1 – 2 mm
Weight	3.6 lbs per liter
Environment	Recyclable
	Non-toxic, non-vaporizing material
	No daily requirement for biocide use – no gray water
	Improves energy efficiency of standard water baths by over 50%

## Ordering Information





Cat. No.	Product Description
MD-MINI-BD00	Metallic thermal beads for Mini dry bath incubator, for MINI-MD, 170 g (Beads only)
MD-BD00	Metallic thermal beads for Genius and Elite dry bath incubator, for MD-01N and EL-01, 700 g (Beads only)
MC-BD00	Metallic thermal beads for Ultimate dry bath incubator, for MC-01N, 900 g (Beads only)

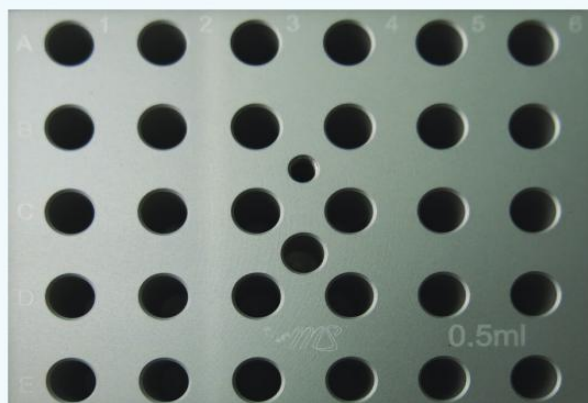
## Aluminum alloy blocks

### Specifications

Cat. No.	Mini Dry Bath Blocks	Dry Bath Blocks	Ultimate Dry Bath Blocks
Photo			
Used For	MD Mini Page 2, Mini Cooler Page 4	EL Series Page 6 , MD Series Page 8	MC-01 Series Page 10
Block Lifter	included		
Product Description	The Mini dry bath blocks are designed for both mini heating or cooling dry bath incubators. The precisely machined aluminum alloy blocks deliver efficient heat transfer and are suitable for PCR strip tubes and various test tubes ranging from 0.2 ml to 50 ml centrifuge tubes.	The dry bath blocks are designed for the Elite Dry Bath Incubator and the Genius Dry Bath Incubator. The precisely machined aluminum alloy blocks deliver efficient heat transfer and are suitable for microplate and various test tubes ranging from 0.2 ml to 50 ml centrifuge tubes.	The Ultimate dry bath blocks are designed for the Ultimate dry bath incubators. The precisely-machined aluminum alloy blocks, which are suitable for microplate and different test tubes ranging from 0.2 ml to 50 ml centrifuge tubes, deliver efficient heating and cooling performance. In addition to the standard blocks, customized blocks are also available to broaden the applications of the Ultimate dry bath incubator. MC Blocks are designed for Ultimate plus dry bath incubator to provide even more efficient heating and cooling speed. Two standard block modes and customized blocks are available.
Block Material	Aluminum alloy		
Dimension (W x L x H)	1.85" x 2.8" x 1.26"(47 x 71 x 32 mm) for MD-MINI-B01/02/05/06/07	3.43" x 5.04" x 2.45"(87 x 128 x 62.3 mm) for MD-MP01-S 4.09" x 6.22" x 1.97"(104 x 158 x 50 mm) for MD-MP01-D/ MD-MP02-D 3.43"x4.76"x2.74"(87 x 120.8 x 69.5 mm) for MD-MP02-S 3.11" x 4.09" x 1.97"(79 x 104 x 50 mm) for standard blocks	3.5" x 5.08" x 1.81"(89 x 129 x 46 mm) for standard blocks 2.54" x 3.5" x 1.81"(64.5 x 89 x 46 mm) for MC-B0.2H/0.5H/1.5H 3.5" x 5.08" x 1.18"(89 x 129 x 30 mm) for MC-BS0.2+0.5/0.5+1.5
Weight	W 47 x L 71 x H 75 mm for MD-MINI-B03/04 Approx. 0.5 lb (0.24 kg) for MD-MINI-B01/02/05/06/07		N/A
	Approx. 1.0 lb (0.46 kg) for MD-MINI-B03/04		N/A
Block Lifter Well	Yes		
Thermometer Well	Yes	Yes (except microplate blocks)	

**\*Customized blocks available.**

-  Send samples
-  2D & 3D drawing offered by Major Science
-  Get confirmation by users
-  Customization process starts



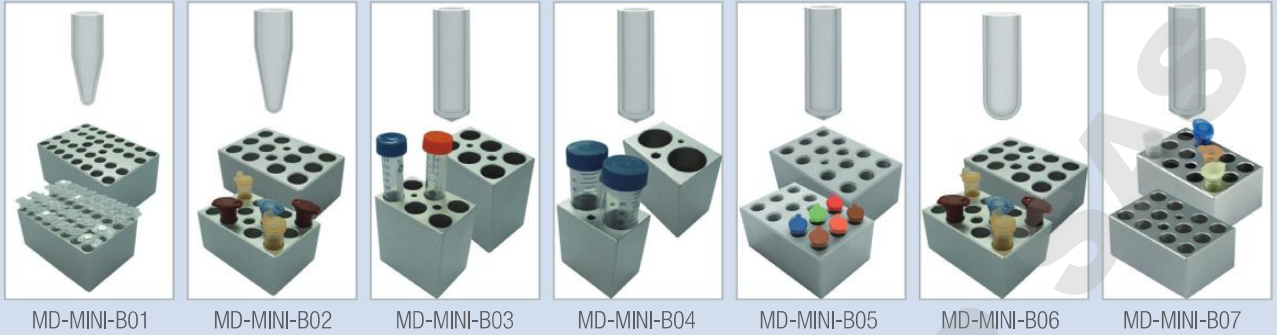
Laser marked on the selected blocks

## Ordering Information

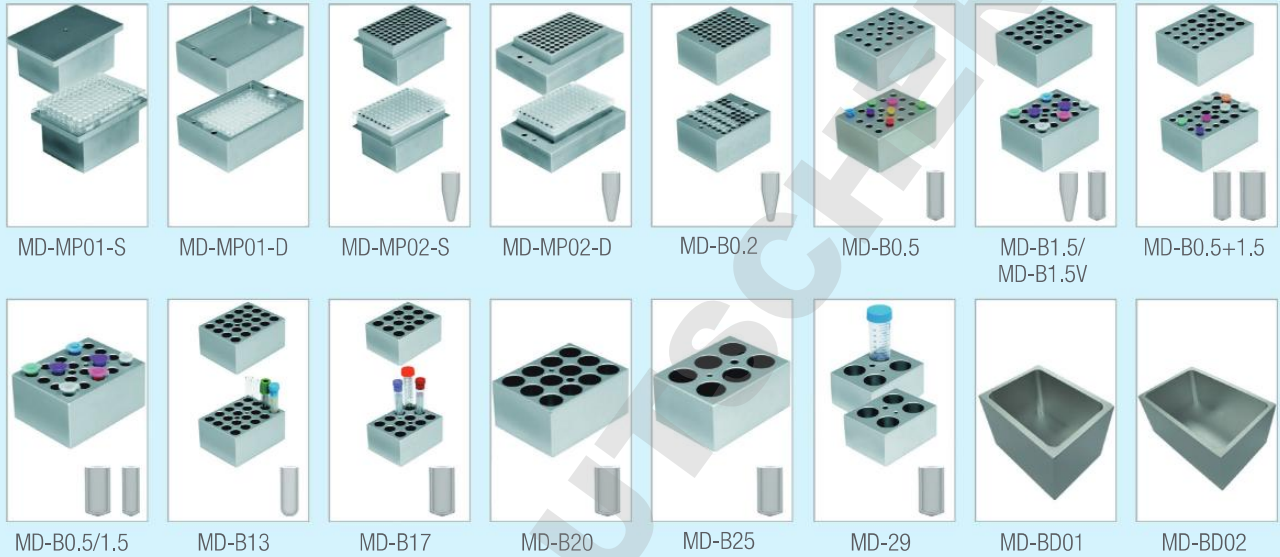
	Cat. No.	Product Description	
Mini Dry Bath Blocks	MD-MINI-B01	For 0.2 ml tube (PCR Strip Tube), 32 wells, $\phi$ 6.35 mm, depth 17 mm, L 71 x W 47 x H 32 mm	
	MD-MINI-B02	For 1.5 ml tube, 12 wells, $\phi$ 10.88 mm, depth 30 mm, L 71 x W 47 x H 32 mm	
	MD-MINI-B03	For 15 ml tube, 6 wells, $\phi$ 17.3 mm, depth 70 mm, L 71 x W 47 x H 75 mm	
	MD-MINI-B04	For 50 ml tube, 2 wells, $\phi$ 29.0 mm, depth 70 mm, L 71 x W 47 x H 75 mm	
	MD-MINI-B05	For 0.5 ml tube, 12 wells, $\phi$ 7.9 mm, depth 25 mm, L 71 x W 47 x H 32 mm	
	MD-MINI-B06	For 2.0 ml or 1.5 ml tube, 12 wells, $\phi$ 11.0 mm, depth 30 mm, L 71 x W 47 x H 32 mm	
	MD-MINI-B07	For 2.0 ml or 1.5 ml tube, 12 wells, $\phi$ 11.0 mm, depth 30 mm, L 71 x W 47 x H 32 mm	
		MS-BL95-E	Block Lifter, 95 mm 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 0.2 ml tube, 64 wells (or 0.2 ml PCR Strip tube for 8 wells x 8)	
	MD-B0.5	For 0.5 ml tube, 20 wells	
	MD-B1.5	For 1.5 ml or 2.0 ml tube, 20 wells	
	MD-B1.5V	For 1.5 V-shaped tube only, 20 wells	
	MD-B0.5+1.5	Combination: for 0.5 ml tube, 12 wells; and for 1.5 ml tube, 12 wells (on the same side)	
	MD-B0.5/1.5	One Side for 1.5 or 2.0 ml tube, 20 wells and another side for 0.5 ml tube, 20 wells (on the opposite side)	
	MD-B13	Well size 13 mm, 20 wells	
	MD-B17	For 15 ml centrifuge tube, 12 wells	
	MD-B20	Well size 20 mm, 12 wells	
	MD-B25	Well size 25 mm, 6 wells	
	MD-B29	For 50 ml centrifuge tube, 4 wells	
	MD-BD01	Single bead MD dry bath block, L 104 x W 79 x H 76 mm	
	MD-BD02	Dual bead MD dry bath block, L 158 x W 104 x H 76 mm	
		MS-BL95-E	Block Lifter, 95 mm 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 0.5 ml, 30 wells	
MC-B1.5		For 1.5 or 2.0 ml, 30 wells	
MC-B0.5+1.5		Combination: for 1.5 ml or 2.0 ml tube, 15 wells and 0.5 ml tube, 15 wells (on the same side)	
MC-B0.2+0.5+1.5		Combination: 0.2 ml tube (or strip tube for 8 wells ), 24 wells; 1.5 ml or 2.0 ml tube, 10 wells and 0.5 ml tube, 10 wells (on the same side)	
MC-B13		Well size 13 mm, 30 wells	
MC-B17		For 15 ml centrifuge tube, 15 wells	
MC-B20		Well size 20 mm, 15 wells	
MC-B25		Well size 25 mm, 6 wells	
MC-B29		For 50 ml centrifuge tube, 6 wells	
MC-B0.2H		(1/2) Half Block for 0.2 ml tube, 40 wells ( or 0.2 ml PCR Strip tube for 8 well x 5) One Ultimate Dry Bath Incubator can insert 2 ea of Half Block	
MC-B0.5H		(1/2) Half Block for 0.5 ml tube, 15 wells One Ultimate Dry Bath Incubator can insert 2 ea of Half Block	
MC-B1.5H		(1/2) Half Block for 1.5 or 2 ml tube, 15 wells One Ultimate Dry Bath Incubator can insert 2 ea of Half Block	
MC-BS0.2+0.5		Combination: 0.2 ml tube, 36 wells; 0.5 ml, 20 wells	
MC-BS0.5+1.5		Combination: 0.5 ml tube, 18 wells; 1.5 ml, 14 wells	
MC-BD		Ultimate bead bath block, L 127 x W 90 x H 76 mm	
		MS-BL95-E	Block Lifter, 95 mm length with E-Type Retaining Rings

MS Thermoblock Dry Bath Incubator

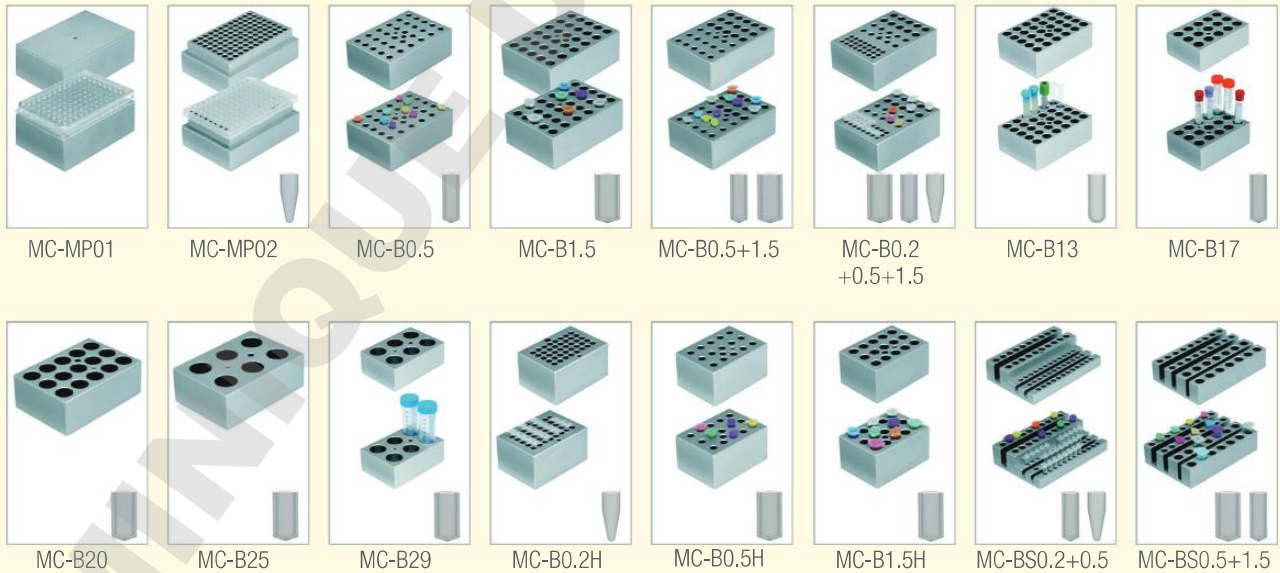
Mini Dry Bath Blocks



Dry Bath Blocks



Ultimate Dry Bath Blocks





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