



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





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 (WxLxH)	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" x6.22" 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
	W 47 x L 71 x H 75 mm for MD-MINI-B03/04	N	/A
Weight	Approx. 0.5 (b (0.24 kg) for MD-MINI-B01/02/05/06/07		/A
	Approx. 1.0 lb (0.46 kg) for MD-MINI-B03/04	N	/A
Block Lifter Well		Yes	
Thermometer Well	Yes	Yes (except mi	croplate blocks)

*Customized blocks available.





Laser marked on the selected blocks

Ordering Information

	Cat. No.	Product Description	
Mini Dry	MD-MINI-B01	For 0.2 ml tube (PCR Strip Tube), 32 wells, φ6.35 mm, depth 17 mm, L 71 x W 47 x H 32 mm	
Bath	MD-MINI-B02	For 1.5 ml tube, 12 wells, φ10.88 mm, depth 30 mm, L 71 x W 47 x H 32 mm	
Blocks	MD-MINI-B03	For 15 ml tube, 6 wells, φ17.3 mm, depth 70 mm, L 71 x W 47 x H 75 mm	
	MD-MINI-B04	For 50 ml tube, 2 wells, ϕ 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, φ7.9 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, φ11.0 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, φ11.0 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	
	WO BESS E	Block Entol, 30 mm longer were Typo Hotelming rungs	
Dry Bath	th MD-MP01-S For microplate; Titerplate (Plain Block for Single Block unit only)		
Blocks	MD-MP01-D	For microplate; Titerplate (Dual Block unit only)	
Bioono	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) Well size 13 mm, 20 wells	
	MD-B13	·	
	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 MC-MP01		For Microplate; Titerplate (Plain Block)	
Dry Bath	MC-MP02	For 96 wells deep Microplate or PCR plate	
Blocks	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	
M		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-BS0.2+0.5 MC-BS0.5+1.5	Combination: 0.2 ml tube, 36 wells; 0.5 ml, 20 wells Combination: 0.5 ml tube, 18 wells: 1.5 ml, 14 wells	
	MC-BS0.2+0.5 MC-BS0.5+1.5 MC-BD	Combination: 0.2 ml tube, 36 wells; 0.5 ml, 20 wells Combination: 0.5 ml tube, 18 wells; 1.5 ml, 14 wells Ultimate bead bath block, L 127 x W 90 x H 76 mm	

MS Thermoblock Dry Bath Incubator







MD-MINI-B02



MD-MINI-B03



MD-MINI-B04



MD-MINI-B05



MD-MINI-B06



MD-MINI-B07



MD-MP01-S



MD-MP01-D



MD-MP02-S



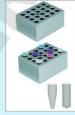
MD-MP02-D



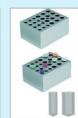
MD-B0.2



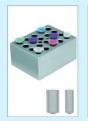
MD-B0.5



MD-B1.5/ MD-B1.5V



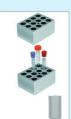
MD-B0.5+1.5



MD-B0.5/1.5



MD-B13



MD-B17



MD-B20



MD-B25



MD-29



MD-BD01



MD-BD02



MC-MP01



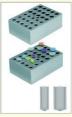
MC-MP02



MC-B0.5



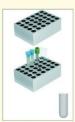
MC-B1.5



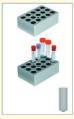
MC-B0.5+1.5



MC-B0.2 +0.5+1.5



MC-B13



MC-B17



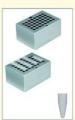
MC-B20



MC-B25



MC-B29



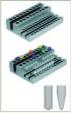
MC-B0.2H



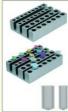
MC-B0.5H



MC-B1.5H



MC-BS0.2+0.5

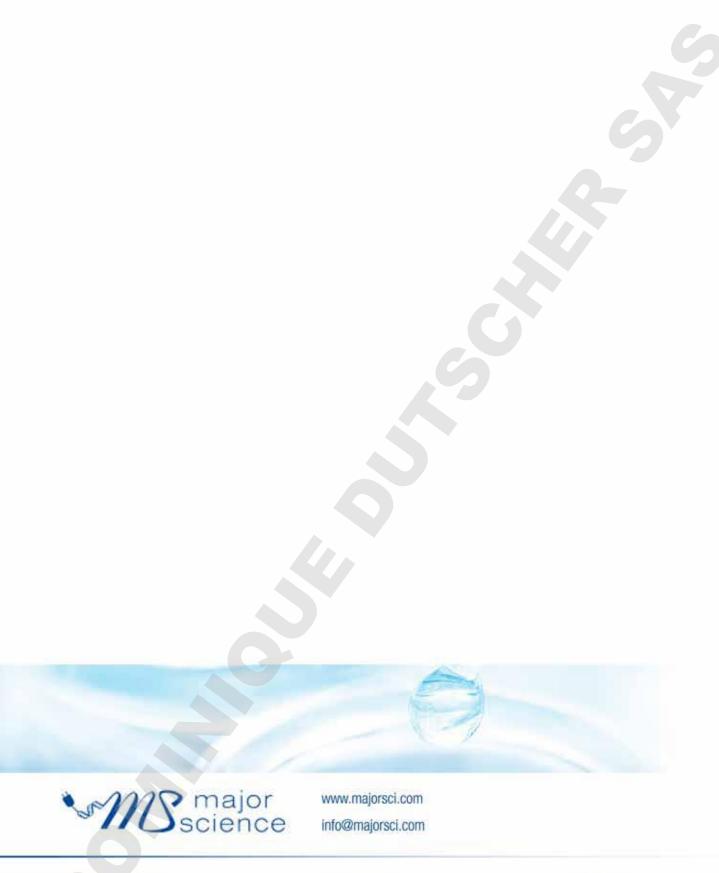


MC-BS0.5+1.5





MS-BL95-E



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