

**Benchmark** 

# **myBLOCK™** Digital Dry Baths

- + **Digital temperature control**  
set and walk away
- + **Hinged lid**  
improves temperature uniformity and conserves energy
- + **External temperature probe (optional)**  
displays and controls actual sample temperature
- + **Available with Quick-Flip™ universal blocks**  
for microtubes (0.2 to 2.0ml), PCR strips & PCR plates

**Flip Over**



**myBLOCK I**  
Single Block Capacity



**myBLOCK II**  
Dual Block Capacity



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myBlock I (single chamber dry bath)

Benchmark's myBlock series is a "next generation" product line that introduces several major advantages over traditional dry baths. They are the first digital dry baths to include advanced microprocessor controls, timed or continuous operation and a removable hinged lid. In addition, an optional external temperature feedback probe can be positioned directly inside a sample tube, providing real-time control and monitoring of **actual sample temperature**.

The myBlock's transparent lid helps to promote better uniformity and minimize temperature stratification in the block by maintaining a warm air jacket layer. It also helps to reduce energy consumption by minimizing heat loss to the environment. The hinged lid can be flipped open (to the rear), or easily removed (lifted off) to accommodate taller tubes.

Both the single and dual block models can be ordered in a configuration that includes our unique Quick-Flip™ blocks. These universal blocks accept tubes from 0.5 to 2.0ml and, with just a quick flip to the other side, accommodate 0.2ml tubes, PCR strips or (in the dual block model only) a PCR plate. Other blocks are available for tubes up to 50ml.

#### Technical Data:

Temperature Range:	Ambient +5 to 105°C
Temp. Accuracy / Uniformity:	± 0.1% / ± 0.2%
Temperature Increments:	0.1°C
Timer:	1 min to 99 hr 59 min.
Dimensions (w x d x h):	
Single:	7 x 10 x 5 in. / 18 x 25 x 13 cm
Dual:	6.3 x 14 x 5 in. / 16 x 36.5 x 13 cm
Weight:	10 lbs. / 4.5 kg
Electrical:	115V or 230V, 50-60Hz
Warranty:	2 years

#### Ordering Information

BSH5001-1B\* **myBlock I** Single chamber dry bath with 1 Quick-Flip block (BSWCMB) for tubes (0.2 to 2.0ml) and PCR strips

BSH5002-2B\* **myBlock II** Dual chamber dry bath with 2 Quick-Flip blocks (BSWCMB) for tubes (0.2 to 2.0ml), PCR strips / PCR Plate

BSH5001\* **myBlock I** single chamber dry bath, without block

BSH5002\* **myBlock II** dual chamber dry bath, without blocks

BSH-TP1 Optional external temperature probe. For monitoring & controlling actual sample temperature. (Probe can be placed in the sample tube with direct feedback to the control circuit and temperature display.)

\* Item is 115V. To order in 230V, add -E to catalog number.

#### Available Block Accessories:

BSWCMB	Quick-Flip combination block, Side one holds: 24 x 1.5/2.0ml and 14 x 0.5ml, Side two holds: 6 x PCR strips, 48 x 0.2ml or one PCR plate*
BSW1500	Block, 24 x 1.5ml
BSW1520	Block, 24 x 1.5/2.0ml
BSW05	Block, 24 x 0.5ml
BSW10	Block, 20 x 10mm†
BSW13	Block, 20 x 13mm (or 20 x 5/7ml)†
BSW1516	Block, 12 x 15-16mm (or 12 x 10ml)†
BSW02	Block, 48 x 0.2ml tubes or 6 PCR strips
BSW15	Block, 12 x 15ml†
BSW50	Block, 5 x 50ml†
BSWPCR1	Block, 1 x 96-well PCR Plate
BSWPCR2	Block, 1 x 96-well PCR Plate (myBlock II only)
BSWMT	Block, 1 x Micro Titer Plate (myBlock II only)
BSW01	Block, solid - for slides or custom machining

\* Two blocks required for use with PCR plates. † Tall block (3.25"), height prevents use with lid.

available with:

**Quick-Flip™**  
universal micro-block



Item: BSH5002-2B

Universal blocks for:

- ✓ 0.5ml tubes
- ✓ 1.5ml tubes
- ✓ 2.0ml tubes
- ✓ 0.2ml tubes
- ✓ 0.2ml strips
- ✓ PCR Plate

Three possible block configurations:  
(Shown in dual block model)

Side 1 & Side 1



48 x 1.5/2.0ml  
28 x 0.5ml

Side 1 & Side 2



24 x 1.5/2.0ml  
14 x 0.5ml  
48 x 0.2ml

Side 2 & Side 2



96 x 0.2ml or  
One PCR Plate\*

\*For use in myBlock II only - requires dual block chamber.