

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





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.

available with:

## Quick-Flip™ universal micro-block



Universal blocks for:

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

Item: BSH5002-2B

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.

### Technical Data:

Temperature Range:	Ambient +5 to 105°C
Temp. Accuracy / Uniformity:	± 0.3°C / ± 0.1°C
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:

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

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