

DRI-BATHS™



Selection Guide

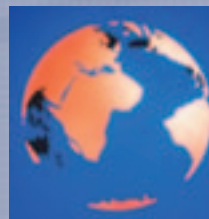
MODULAR BLOCK

	Type	Temperature Range	Capacity	Removable Blocks	Temperature Control	Page
<i>Analog Standard Temperature!</i>	DB17600	AMB+5 to 115°C	One Block	Yes	±0.5°C	26
	DB28100	AMB+5 to 140°C	Three Block	Yes	±0.5°C	26
	DB16500	2°C-110°C	Three Block	Yes	±0.1°C	26
<i>Standard and High Temperature Models!</i>	5401	AMB+5 to 200°C	One Block	Yes	±0.1°C	28
	5111	AMB+5 to 110°C	Four Block	Yes	±0.1°C	28
<i>Analog and Digital Standard Temperature!</i>	2000	AMB+5 to 130°C	One to Six Block	Yes	±0.15°C	29
	2050	AMB+5 to 130°C	One to Six Block	Yes	±0.1°C	29

FIXED BLOCK

	Type	Temperature Range	Capacity	Removable Blocks	Temperature Control	Page
<i>Simple Operation!</i>	DB5900	AMB+5 to 60°C	10 or 20 Well Block	No	±0.5°C	31
	DB12200	AMB+5 to 60°C	40 Well Block	No	±0.5°C	31

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OUR WEBSITE AT
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Analog Modular Blocks



Type DB17600 and DB28100 Dri-Baths

Single or Dual Range Models!

- Choose from temperatures to 110°C, 115°C or 140°C
- Customize your bath with a removable block
- Available in single or three block models



Product Description

- Dri-baths can be customized by choosing the modular blocks with well sizes to fit specific applications. Modular blocks sold separately. See Barnstead/Thermolyne modular blocks page 27.
- Aluminum modular blocks provide excellent heat transfer to tube contents to enhance your testing results.
- All blocks include thermometer well for easily measuring block temperature.
- Must use Barnstead/Thermolyne modular blocks.

- Adjustable temperature range with superior temperature control:
 - Type DB16500 models: $\pm 0.1^\circ\text{C}$ to 110°C.
 - Type DB17600 models: $\pm 0.5^\circ\text{C}$ to 115°C.
 - Type DB28100 models: $\pm 0.5^\circ\text{C}$ to 140°C.
- Compact design saves valuable counter space.
- Optional spirit-filled thermometer, 30-100°C. See page 27.

Operation

- Two separate thermostats on the Type DB28100 provide low range or high range operation. The low range knob controls temperature settings from 30°C to 80°C. The high range knob controls temperature settings from 70°C to 140°C.

PRODUCT SPECIFICATIONS

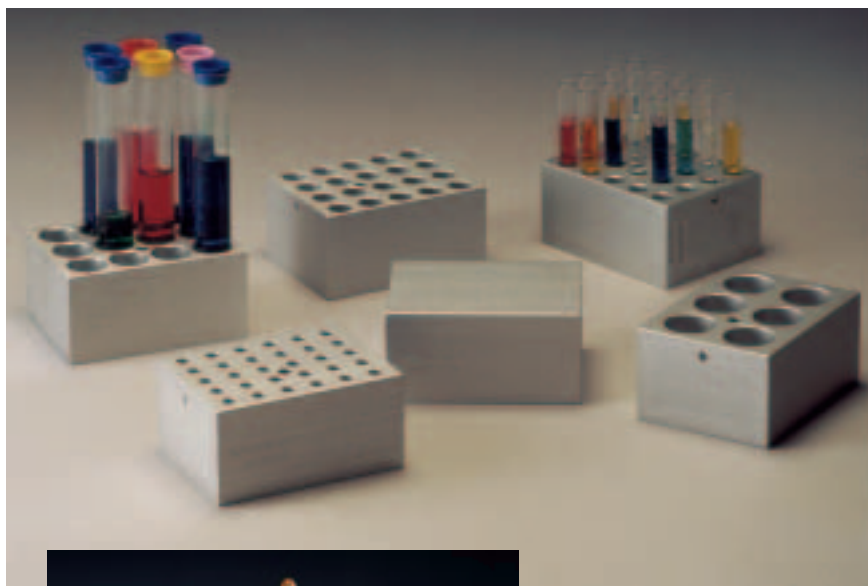
Type	Description	Overall Dimensions Inches (cm)			Control Stability	Shipping Weight Lb. (kg)
		W	H	D		
DB17600	Single block	8.0 (20.3)	4.0 (10.1)	9.0 (22.8)	$\pm 0.5^\circ\text{C}$	3.5 (1.5)
DB16500	Triple block	14.5 (36.8)	4.0 (10.1)	9.0 (22.8)	$\pm 0.1^\circ\text{C}$	9.0 (4.1)
DB28100	Triple block	12.0 (30.5)	4.0 (10.1)	9.0 (22.8)	$\pm 0.5^\circ\text{C}$	7.0 (3.1)

ORDERING INFORMATION

Model #	Description	Electrical (50/60 Hertz)			Temperature Range
		Volts	Amps	Watts	
DB17615	Single block	120	0.6	75	Amb+5 - 115°C
DB17610	Single block	240	0.3	75	Amb+5 - 115°C
DB17610-26	Single block	220	0.3	75	Amb+5 - 115°C
DB16525 ¹	Triple block	120	3.75	450	25°C - 110°C
DB16520	Triple block	240	1.88	450	25°C - 110°C
DB28125	Triple block	120	2.1	250	Amb+5 - 140°C
DB28120	Triple block	240	1.0	250	Amb+5 - 140°C
DB28120-26	Triple block	220	1.1	250	Amb+5 - 140°C

¹UL Listed

Modular Block Accessories



Modular Blocks

A Block for Any Application!

- Versatile
- Anodized coating resists the harshest environments



Product Description

- Solid anodized aluminum blocks resist the harshest environments and provide maximum heat retention.
- All blocks include thermometer well for easily measuring block temperature.
- Fit all Barnstead|Thermolyne brand modular block dri-baths.

Optional Thermometer: Optional 6" (15.2 cm) long thermometer for exact temperature measurement of aluminum block. 30-100°C range in 1° divisions. Accuracy of ±1.0°C; ±0.5°C at 50°C. Part# ME384X1.

ORDERING INFORMATION

Model #	Description	Tube Size	# of Wells	Max Tube Size (mm)	Well Volume (ml)	Block Well Depth (mm)	Block Dimensions Inches (cm)	
BK165X3AQ	Test Tube	6 mm	30	6.5	0.62	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X4AQ	Test Tube	10 mm	20	10.75	2.4	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X12AQ	Test Tube	12 mm	20	12.75	4.1	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X5AQ	Test Tube	13 mm	20	13.75	4.5	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X6AQ	Test Tube	15 mm	12	15.75	6.3	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X7AQ	Test Tube	16 mm	12	16.75	7.4	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X29AQ	Test Tube	16 mm	12	16.94	7.5	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X13AQ	Test Tube	18 mm	12	18.75	9.8	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X8AQ	Test Tube	20 mm	12	20.75	12.2	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X9AQ	Test Tube	25 mm	6	25.75	19.9	48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X17AQ	Microcentrifuge	1.5 ml	20			48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X20AQ	Microcentrifuge	0.5 ml	30			48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
BK165X2AQ	Solid aluminum block to be machined by user						48	3 (7.6)W x 2 (5)H x 4 (10.1)D
BK165X21AQ	Cuvette	1 cuvette block	12			48	3 (7.6)W x 2 (5)H x 4 (10.1)D	
ME384X1	6"(15.2 cm) Thermometer, blue spirit-filled, 30-100°C						48	3 (7.6)W x 2 (5)H x 4 (10.1)D

Analog and Digital Modular Blocks

Choose From Analog and Digital!

- Digital units include built-in temperature sensing probe
- Choose from 1, 2, 3, 4, and 6 block configurations
- Temperature ranges from ambient +5°C to 130°C



Model 2000 and 2054 Dri-Baths

Digital Version Includes FREE Temperature Probe

Product Description

- Compact design saves valuable bench space.
- Powder-coated steel body construction ensures durability.
- Digital units utilize a PID microprocessor controller with digital temperature set and easy-to-read LED display for accurate and reproducible temperature control.
- Analog units feature a bimetallic dual thermostat control as an economical alternative.
- Dri-baths hold one to six interchangeable modular blocks to accommodate a variety of vessels. Modular blocks sold separately.
- Use Barnstead/Lab-Line brand blocks only. See page 30.
- Temperature Range: ambient +5°C to 130°C.

Analog Units

- Temperature control at 37°C: ±3.0°C.
- Dual temperature control for precise control over the two ranges: from slightly above ambient to 60°C and from 50°C to 130°C.
- Temperature uniformity at 37°C: ±0.5°C.
- Read thermometer and adjust knob controller to your desired setpoint.

Digital Units

- Temperature control at 37°C: ±0.1 to 0.2°C.
- Temperature uniformity at 37°C: ±0.1 to 0.4°C.
- Set point is easily adjusted by using up and down arrow keys located on the front of the unit.
- Modular block mounts on a single temperature probe in the bottom of the dri-bath providing better temperature accuracy and control.

PRODUCT SPECIFICATIONS AND ORDERING INFORMATION

Microprocessor Controlled Dri-Baths - Digital

Model #	Description	Volts	Electrical (50/60 Hz) Amps	Watts	Overall Dimensions Inches (cm)			Shipping Weight Lb. (kg)
					W	H	D	
2000Q ¹	Single block	120	0.83	100	8.7 (22.1)	3.6 (9)	11.2 (28.4)	5 (2)
2000-1Q	Single block	240	0.42	100	8.7 (22.1)	3.6 (9)	11.2 (28.4)	5 (2)
2001Q ^{2,3}	Double block	120	1.25	150	8.7 (22.1)	3.6 (9)	14.2 (36)	6 (3)
2001-1Q ⁴	Double block	240	0.63	150	8.7 (22.1)	3.6 (9)	14.2 (36)	6 (3)
2002Q ¹	Triple block	120	1.67	200	10.8 (27.4)	3.6 (9)	12.0 (30.4)	8 (4)
2002-1Q ⁴	Triple block	240	0.83	200	10.8 (27.4)	3.6 (9)	12.0 (30.4)	8 (4)
2003Q ¹	Four block	120	2.5	300	10.8 (27.4)	3.6 (9)	14.1 (35.5)	8 (4)
2003-1Q ⁴	Four block	240	1.25	300	10.8 (27.4)	3.6 (9)	14.1 (35.5)	8 (4)
2004Q ¹	Six block	120	3.33	400	10.8 (27.4)	3.6 (9)	17.0 (43.0)	10 (5)
2004-1Q ⁴	Six block	240	1.67	400	10.8 (27.4)	3.6 (9)	17.0 (43.0)	10 (5)

Bimetallic Controlled Dri-Baths - Analog

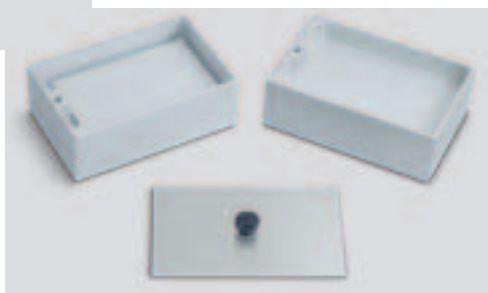
2050Q ²	Single block	120	0.83	100	6.2 (16)	3.4 (9)	7.6 (19)	5 (2)
2050-1Q	Single block	240	0.42	100	6.2 (16)	3.4 (9)	7.6 (19)	5 (2)
2052Q ²	Double block	120	1.25	150	8.4 (21)	3.4 (9)	8.6 (22)	6 (3)
2052-1Q ²	Double block	240	0.63	150	8.4 (21)	3.4 (9)	8.6 (22)	6 (3)
2053Q ²	Triple block	120	1.67	200	11.25 (29)	3.4 (9)	9.1 (23)	8 (4)
2053-1Q ²	Triple block	240	0.83	200	11.25 (29)	3.4 (9)	9.1 (23)	8 (4)
2054Q ²	Four block	120	2.50	300	8.3 (21)	3.4 (9)	12.4 (31)	8 (4)
2054-1Q ²	Four block	240	1.25	300	8.3 (21)	3.4 (9)	12.4 (31)	8 (4)
2056Q ²	Six block	120	3.33	400	11.25 (29)	3.4 (9)	12.9 (33)	10 (5)
2056-1Q ^{2,3}	Six block	240	1.67	400	11.25 (29)	3.4 (9)	12.9 (33)	10 (5)

¹ CSA, ² UL, ³ CUL, ⁴ CE • All models include heavy duty 3-wire line cord and block puller.

Modular Block Accessories



Model 2069, 2071 and 2072



Model 2064, 2065 and 2085

- Excellent heat transfer
- Anodized aluminum provides greater heat transfer
- Choose from many varieties

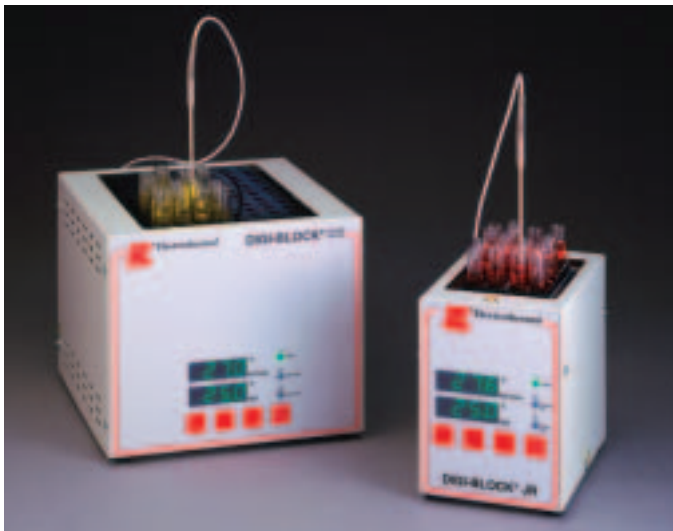
Product Description

- Close contact of tubes to block walls provides excellent heat transfer.
- Blocks include thermometer well for monitoring block temperatures.
- Solid black anodized aluminum blocks for greater heat retention.
- Block puller included with all models.
- For use with all Barnstead/Lab-Line brand modular dri-baths.
- Single block size: 3.75" W x 2" H x 2.9" D (9.5 x 5.1 x 7.4 cm).

ORDERING INFORMATION

Model #	Description	Tube Diameter Inches (cm)	# of Wells
Test Tubes			
2070Q	6 mm	0.31 (.79)	30
2071Q	10 mm	0.4 (1.02)	24
2072Q	12 - 13 mm	0.53 (1.35)	22
2073Q	15 - 16 mm	0.68 (1.73)	12
2081Q	17 - 18 mm	0.75 (1.90)	12
2074Q	20 mm	0.81 (2.06)	8
2075Q	25 mm	1.03 (2.62)	6
2076Q	Combination: three, 25 mm; five, 12 - 13 mm; six, 6 mm	1.03 (2.62); 0.53 (1.35); 0.31 (0.79)	14
Cuvette			
2066Q	12.5 mm	-	12
Microcentrifuge			
2059Q	0.2 ml	0.24 (.61) taper	79
2068Q	0.5 ml	0.29 (0.74) taper	30
2069Q	1.5 ml	.44 (1.04) taper	20
2058Q	Combination 30, 0.5 ml; 19, 0.2 ml	0.29 (0.74) taper; 0.24 (0.61) taper	49
Specialty			
2078Q	Solid Block	-	-
2083Q	PCR Block, size of two blocks	-	-
Titer Plate			
2064Q	Titer Plate, direct contact, size of two blocks	-	1
2065Q	Titer Plate, size of two blocks	-	1
2085	Stainless steel cover for models 2064Q and 2065Q	-	-

Digital Modular Blocks



Digi-Block and Digi-Block Jr.



Includes FREE Built-in Precision Temperature Probe

PRODUCT SPECIFICATIONS

Specifications	Digi-Block	Digi-Block Jr.
Temperature range	Amb. to 200° by 0.1°C	Amb. to 110° by 0.1°C
Uniformity	+0.1°C	+0.1°C
Temperature display accuracy	@ 37°C - +0.2°C	@ 37°C - +0.2°C
Temperature display accuracy	@ 100°C - +0.5°C	@ 100°C - +0.5°C
Capacity	Accepts up to 4 blocks	Accepts 1 block
Time to max./min. temp. (min.)	15	15
Interface	None	None
Overall dimensions Inches (cm) W x D x H	6.7 (17) x 15.4 (39) x 5 (12)	4.3 (11) x 6.3 (16) x 6 (15)
Shipping Weight Lb.(kg)	10(4.5)	4.6(2.1)

ACCESSORIES

Model #	Descriptions
9003	Calibration Block
5034	Block, holds 24 x 8mm (0.5ml) microcentrifuge tubes
5035	Block, holds 24 x 10mm (1.5ml) microcentrifuge tubes
5036	Block, holds 24 x 6mm tubes
5037	Block, holds 24 x 12mm or 13mm tubes (13.4mm)
5038	Block, holds 6 x 20mm tubes
5039	Block, holds 6 x 25mm tubes
5040	Block, solid, use as a hot plate
5041	Block, holds 6 x 15-16mm tubes
5042	Block, holds 9 cuvettes, 12.7mm(1/2") square

Standard and High Temperature Models!

- Precise dry heating
- Time-saving digital control
- NIST traceable

Product Description

- Digi-Block® dri-baths provide safe, compact, dry heat for a wide variety of clinical and general chemistry applications.
- Interchangeable blocks accommodate test tubes, microcentrifuge tubes and cuvettes.
- Aluminum plate under blocks assures even heat distribution and eliminates the possibility of heater burn-out.
- Precision temperature probe fits directly into the blocks to provide the most accurate temperature readings and control possible.
- Control panel simultaneously displays the actual temperature and set temperature to $\pm 0.1^\circ\text{C}$.

Operation

- Digital temperature control eliminates time consuming readjustments. Press the up or down key to set desired temperature on digital display.
- Microprocessor automatically minimizes temperature over-shoot. Set point is locked into the digital memory to eliminate temperature drift.
- Digi-Block dri-baths resume control at your set point after power interruptions.
- Control panel design eliminates accidental temperature changes caused by easily bumped buttons or control dials.
- Optional NIST traceable thermometer and calibration block enable user to calibrate the digital display against a NIST traceable reference thermometer.

ORDERING INFORMATION

Model #	Description	Electrical (50/60 Hertz)	
		Volts	Watts
5401 ¹	Digi-Block, four block	120V	300
5402 ^{1,2}	Digi-Block, four block	230V	300
5111 ¹	Digi-Block Jr., single block	120V	100
5112 ^{1,2}	Digi-Block Jr., single block	230V	100

¹ CSA, ² CE



Model #DB12200

Model #DB5900

Simple Operation!

- Calibrated with NIST Standard
- Choice of 10, 20 or 40 wells
- Anodized aluminum block provides maximum heat transfer



Product Description

- Anodized aluminum heating block provides excellent heat transfer to your test tubes for maximum uniformity and reliable results.
- Baked-on enamel finish resists harsh chemicals and hard usage.
- Type DB5900 cradle design permits tube rocking for sample agitation.
- Type DB5900 numbered wells allow for easy test tube identification.
- Clear acrylic side windows on Type DB5900 permit observation of colorimetric changes.

Operation

- Versatile operating range of ambient +5°C to 60°C, ± 0.5°C accuracy. Read thermometer and adjust calibration screw for your desired temperature.
- No need to unplug; designed for continuous use.
- Test tubes and cuvettes stay dry during incubations to eliminate mess and contamination.

Applications for All Models

- General sample incubation
- Coombs tests
- Compatibility and antibody testing
- Immuno-hematologic incubating
- RIA-aldosterone incubating
- Blood chemistries
- Blood crossmatching tests
- Typing

Applications Model DB5900

- Colorimetric tests
- Coagulation studies
- VDRL Test
- Activated clotting times
- Serology procedures
- Urine and blood cultures

PRODUCT SPECIFICATIONS

Model #	Well Dimensions (mm)		W	Overall Dimensions Inches (cm)		Shipping Weight Lb. (kg)
	Diameter	Depth		H	D	
DB5900	13	51	9.0 (22.8)	3.13 (7.9)	2.13 (5.4)	2.5 (1.1)
DB12200	12.7	27	8.75 (22.2)	3.25 (8.2)	4.5 (11.4)	5.25 (2.3)

ORDERING INFORMATION

Model #	Volts	Electrical (50/60 Hertz)		Standard Calibration	Tube Size mm	# of Wells
		Amps	Watts			
DB5915E ^{1,2}	120	1.0	120	37°C	13	10
DB5910E	240	0.5	120	37°C	13	10
DB5920E	240	0.19	45	37°C	13	20
DB5925E ^{1,2}	120	0.38	47	37°C	13	20
DB12215E ^{1,2}	120	0.33	40	37°C	12	40
DB12215E-60 ^{1,2}	120	0.4	47	37°C	10	40

¹ CSA

² UL