



# DIGITAL DRY BATHS

Digital Dry Baths are microprocessor controlled with an automatic PID temperature control program that provides an accurate and uniform temperature distribution across the thermal block. Digital Dry Baths are ideal for a wide variety of life science, clinical, and general chemistry applications. Features accurate and stable temperatures. The Multi-Block Dry Baths are used in various applications including enzyme reactions, inactivation of sera, Rh studies, blood cross-matching and cholesterol determinations.

## PRODUCT FEATURES:

- High-quality heating elements provide excellent temperature uniformity
- Overheating alarm and automatic shut off feature
- A wide variety of aluminum tube/plate blocks are available
- Indicator light shows when the bath is  $>60^{\circ}\text{C}$
- Programmable function allows for multiple temperature control points (For models DB-01A, DB-03A, and DB-04A)
- Set to run continuously or set a timer up to 99 hours 59 minutes (For models DB-01A, DB-03A, and DB-04A)



DB-01A  
Programmable  
Digital Dry Bath



DB-02A  
Digital Dry Bath



DB-03A  
Two-Block  
Programmable  
Digital Dry Bath



DB-04A  
Four-Block  
Programmable  
Digital Dry Bath



## Specifications

Model	DB-01A	DB-02A	DB-03A	DB-04A
Product Name	Programmable Dry Bath	Digital Dry Bath	2-Block Dry Bath	4-Block Dry Bath
Temperature Range	Ambient+5°C ~ 120°C			
Temperature Accuracy	±0.1°C			
Temperature Stability	@50~100°C: ≤±0.15°C @100.1~120°C: ≤±0.2°C			
Temperature Uniformity	@37°C: ≤±0.3°C		@37°C: ≤±0.5°C	
Heat Up Time	20°C to 120°C: ≤15min		20°C to 120°C: ≤25min	
Timer	0~99hr 59min or Continuous	NA	0~99hr 59min or Continuous	
Programmable	6 Segments	NA	6 Segments	
Number of Block Chambers	1		2	4
Block Chamber Dimensions	118 x 78 x 31.5 mm (4.6 x 3.1 x 1.2 in)		118 x 78 x 40 mm (4.6 x 3.1 x 1.6 in)	
Accessories Included in Standard Packaging	1 x DBA05 Insulating Cover		2 x DBA05 Insulating Cover	4 x DBA05 Insulating Cover
Operating Environment	Ambient Temperature: 5°C~40°C Ambient Relative Humidity: ≤85%			
Power Supply	AC110V±11V, 60Hz			
Max. Power	100W		150W	300W
Dimensions W×D×H	148 x 261 x 99 mm (5.8 x 10.3 x 3.9 in)		220 x 300 x 111 mm (8.7 x 11.8 x 4.4 in)	220 x 430 x 111 mm (8.7 x 16.9 x 4.4 in)
Net Weight	1.2 kg (2.7 lb)		3 kg (6.6 lb)	4.5 kg (9.9 lb)
IP Protection Rating	IP21			
Certifications	CE, RoHS, WEEE			



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Accessories



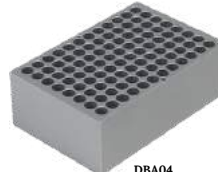
DBA01  
24 x 5mL Block



DBA02  
12x 1.5mL Half Block



DBA03  
10 x 10 / 15mL  
Half Block



DBA04  
96x0.2mL Block



DBA06  
24x1.5mL Block



DBA07  
48x0.2mL Half Block



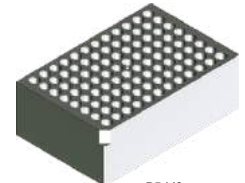
DBA08  
24x1.5/2mL Block



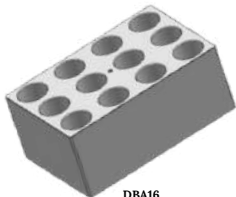
DBA09  
30x0.5mL Block



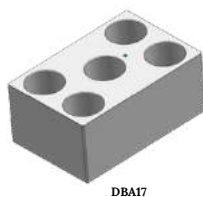
DBA10  
Flat Block



DBA12  
96x0.1/0.2mL PCR Block



DBA16  
12x15mL Block



DBA17  
5x50mL Block



DBA23  
30xØ6mm (Ø0.24in) Tubes Block



DBA25  
20xØ13mm (Ø0.51in) Tubes Block



DBA26  
20xØ16mm (Ø0.63in) Tubes Block



DBA27  
12xØ18mm (Ø0.71in) Tubes Block



DBA28  
8xØ20mm (Ø0.79in) Tubes Block



DBA29  
8xØ25mm (Ø0.98in) Tubes Block



DBA30  
3xØ40mm (Ø1.57in) Tubes Block



DBA36  
20xØ12mm (Ø0.47in) Vials Block



DBA37  
20xØ15mm (Ø0.59in) Vials Block



DBA38  
20xØ16mm (Ø0.63in) Vials Block



DBA39  
12xØ17mm (Ø0.67in) Vials Block



DBA40  
12xØ19mm (Ø0.75in) Vials Block



DBA41  
9xØ21mm (Ø0.83in) Vials Block



DBA42  
8xØ23mm (Ø0.91in) Vials Block



DBA43  
8xØ25mm (Ø0.98in) Vials Block



DBA44  
6xØ28mm (Ø1.1in) Vials Block



DBA05  
Insulation Cover



DBA51  
Tall Insulation Cover



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Accessories  
Specifications

Part Number	Name	Sample Type	Hole Dia	Hole Depth	Hole Bottom Shape	Dimensions LxWxD
DBA01	24x5mL Block	5mL Round Bottom Tubes	Ø13.5 mm (Ø0.53 in)	30 mm (1.18 in)	Round	117.8 x 77.8 x 31.5 mm (4.64 x 3.06 x 1.24 in)
DBA01-H	24x5mL Tall Block	5mL Round Bottom Tubes	Ø13.5 mm (Ø0.53 in)	30 mm (1.18 in)	Round	117.8 x 77.8 x 40 mm (4.64 x 3.06 x 1.57 in)
DBA02	12x1.5mL Half Block	1.5mL Microtubes	Ø10.8 mm (Ø0.43 in)	30 mm (1.18 in)	Conical	58.9 x 77.8 x 50 mm (2.32 x 3.06 x 1.97 in)
DBA03	10x10/15mL Half Block	10/15mL Round Bottom Tubes	Ø16 mm (Ø0.63 in)	48.5 mm (1.9 in)	Round	58.9 x 77.8 x 50 mm (2.32 x 3.06 x 1.97 in)
DBA04	96x0.2mL Block	0.2mL PCR or Microtubes	Ø6.4 mm (Ø0.25 in)	19.5 mm (0.77 in)	Conical	117.8 x 77.8 x 40 mm (4.64 x 3.06 x 1.57 in)
DBA06	24x1.5mL Block	1.5mL Microtubes	Ø11 mm (Ø0.43 in)	36 mm (1.42 in)	Conical	117.8 x 77.8 x 40 mm (4.64 x 3.06 x 1.57 in)
DBA07	48x0.2mL Half Block	0.2mL Tube or 8 PCR Strips	Ø6.1 mm (Ø0.24 in)	19.5 mm (0.77 in)	Conical	58.9 x 77.8 x 40 mm (2.32 x 3.06 x 1.57 in)
DBA08	24x1.5/2mL Block	1.5/2.0mL Microtubes	Ø11.5 mm (Ø0.45 in)	37 mm (1.46 in)	Conical	117.8 x 77.8 x 40 mm (4.64 x 3.06 x 1.57 in)
DBA09	30x0.5mL Block	0.5mL PCR Tubes	Ø7.9 mm (Ø0.31 in)	27.6 mm (1.09 in)	Conical	117.8 x 77.8 x 40 mm (4.64 x 3.06 x 1.57 in)
DBA10	Flat Block	Suitable for 96-well/384-well Microplates/Slides	NA	NA	NA	117.8 x 77.8 x 40 mm (4.64 x 3.06 x 1.57 in)
DBA11	24x1.5mL Block	1.5mL V-Shaped Tubes	Ø11 mm (Ø0.43 in)	39 mm (1.54 in)	V-Shape	117.8 x 77.8 x 40 mm (4.64 x 3.06 x 1.57 in)
DBA12	96x0.1/0.2mL PCR Block	0.1/0.2mL PCR Tubes	Ø6.1 mm (Ø0.24 in)	12.5 mm (0.49 in)	Cone-Shape	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA16	12x15mL Block	15mL Conical Bottom Centrifuge Tubes	Ø16 mm (Ø0.63 in)	48.5 mm (1.91 in)	Conical	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA17	5x50mL Block	50mL Conical Bottom Centrifuge Tubes	Ø29 mm (Ø1.14 in)	48.5 mm (1.91 in)	Conical	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA23	30xØ6mm (Ø0.24in) Tubes Block	Ø6mm Standard Round Bottom Test Tubes	Ø6.5 mm (Ø0.26 in)	18 mm (0.71 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA24	24xØ10mm (Ø0.39in) Tubes Block	Ø10mm Standard Round Bottom Test Tubes	Ø10.7 mm (Ø0.42 in)	38 mm (1.5 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA25	20xØ13mm (Ø0.51in) Tubes Block	Ø12/13mm Standard Round Bottom Test Tubes	Ø13.9 mm (Ø0.55 in)	48.5 mm (1.91 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)

For over 25 years Crystal Technology and Industries has been driven to deliver exceptional value to the scientific marketplace by developing innovative equipment and Cryo Storage Solutions for today's scientist.



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DBA26	20xØ16mm (Ø.63in) Tubes Block	Ø15/16mm Standard Round Bottom Test Tubes	Ø17.5 mm (Ø.69 in)	48.5 mm (1.91 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA27	12xØ18mm (Ø.71in) Tubes Block	Ø17/18mm Standard Round Bottom Test Tubes	Ø19.1 mm (Ø.75 in)	48.5 mm (1.91 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA28	8xØ20mm (Ø.79in) Tubes Block	Ø20mm Standard Round Bottom Test Tubes	Ø21 mm (Ø.83 in)	48.5 mm (1.91 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA29	8xØ25mm (Ø.98in) Tubes Block	Ø25mm Standard Round Bottom Test Tubes	Ø26.2 mm (Ø1.03 in)	48.5 mm (1.91 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA30	3xØ40mm (Ø1.57in) Tubes Block	Ø40mm Standard Round Bottom Test Tubes	Ø40 mm (Ø1.59 in)	48.5 mm (1.91 in)	Round	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA36	20xØ12mm (Ø.47in) Vials Block	Ø12mm Vials	Ø12.7 mm (Ø0.5 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA37	20xØ15mm (Ø.59in) Vials Block	Ø15mm Vials or 15mL Flat Bottom Tubes	Ø15.8 mm (Ø0.62 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA38	20xØ16mm (Ø.63in) Vials Block	Ø16mm Vials	Ø16.4 mm (Ø0.65 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA39	12xØ17mm (Ø.67in) Vials Block	Ø17mm Vials	Ø17.8 mm (Ø0.7 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA40	12xØ19mm (Ø.75in) Vials Block	Ø19mm Vials	Ø19.8 mm (Ø0.78 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA41	9xØ21mm (Ø.83in) Vials Block	Ø21mm Vials	Ø21.8 mm (Ø0.86 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA42	8xØ23mm (Ø.91in) Vials Block	Ø23mm Vials	Ø23.8 mm (Ø0.94 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA43	8xØ25mm (Ø.98in) Vials Block	Ø25mm Vials	Ø25.8 mm (Ø1.02 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA44	6xØ28mm (Ø1.1in) Vials Block	Ø28mm Vials or 50mL Flat Bottom Test Tubes	Ø28.8 mm (Ø1.13 in)	48.5 mm (1.91 in)	Flat	117.8 x 77.8 x 50 mm (4.64 x 3.06 x 1.97 in)
DBA05	Insulation Cover	Maximum Usable Height for Vials and Tubes is 58.5mm	NA	NA	NA	135 x 94 x 36 mm (5.31 x 3.70 x 1.42 in)
DBA51	Tall Insulation Cover	Maximum Usable Height for Vials and Tubes is 136.5mm	NA	NA	NA	135 x 96 x 100 mm (5.31 x 3.70 x 3.94 in)

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