



# Digital Dry Baths

For over 25 years Crystal Technology & Industries has been driven to deliver exceptional value to the scientific marketplace. Our engineers collaborate with top-tier research institutions to design & develop innovative Benchtop Equipment and Cryo Storage Solutions for today's Scientist.

## Digital Dry Bath with Automatic PID Temperature Control Program

Our digital dry baths are microprocessor controlled with an automatic PID temperature control program, providing 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.

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



### Product Features:

- Microprocessor controlled with digital display
- High quality heating elements provide excellent temperature uniformity
- Overheating alarm and automatic shut off
- Automatic fault detection and alarm function
- Wide variety of Aluminum blocks available

### DB-01A, DB-03A, & DB-04A Feature:

- Programmable function allows for multiple temperature control points
- Can be set to run continuously or up to 99 hours 59 minutes

### Specifications:

Name	Programmable Digital Dry Bath	Digital Dry Bath	Multi-Block Dry Bath	
Model	DB-01A	DB-02A	DB-03A	DB-04A
Timer	99h 59m or Continuous	N/A	99h 59m or Continuous	
Display	LCD	LED	LED	
Temp. Range	Ambient +5°C~120°C			
Temp. Fluctuation	@50 ~ 100°C $\pm \pm 0.15C$ --- @100.1 ~ 120°C : $\pm \pm 0.2C$			
Max Temp difference	@ 40°C: .3°C			
Heat up time	Ambient temp. (20°C to 120°C: $\leq 15$ min)		Ambient temp. (20°C to 120°C: $\leq 25$ min)	
Temp. Uniformity	@ 40°C: $\pm \pm 0.3C$		@ 40°C: $\pm \pm 0.5C$	
Temp. Accuracy	0.1°C			
# of chambers	1		2	4
Accessories Included	1x DBA05 Clear Cover		2x DBA05 Clear Cover	4x DBA05 Clear Cover
Dimensions (LxWxH)	261 x 148 x 99mm (10.25 x 5.83 x 3.9")		300 x 220 x 111mm (11.81 x 8.66 x 4.37")	430 x 220 x 111mm (16.93 x 8.66 x 4.37")
Net Weight	1.2kg (2.65 lb)		3kg (6.61 lb)	4.5kg (9.92 lb)
Protection Level	IP21			
Certifications	CE, RoHS, WEEE			
Max. Power	100W		150W	300W
Power Supply	AC 110V / 60Hz			

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## Accessories:

Part #	Name	Sample Type	Well Dia.	Well Depth	Well Bottom	Dimensions L x W x H
DBA01	24x5ml Block	5ml Round Bottom Tubes	13.5mm (0.53")	30mm (1.18")	Round Bottom	117.8x77.8x31.5mm (4.64x3.06x1.24")
DBA02	12x1.5ml Half Block	1.5ml VWR Microtubes	10.8mm (0.43")	30mm (1.18")	Conical Bottom	77.8x58.9x31.5mm (3.06x2.32x1.24")
DBA03	10x10/15ml Half Block	10 / 15ml Round Bottom Tubes	16mm (0.63")	48.5mm (1.9")	Round Bottom	77.8x58.9x50mm (3.06x2.32x1.97")
DBA04	96x0.2ml Block	0.2ml PCR or Microtubes	6.4mm (0.25")	19.5mm (0.77")	Conical Bottom	117.8x77.8x40mm (4.64x3.06x1.57")
DBA06	24x1.5ml Block	1.5ml VWR Microtubes	11mm (0.43")	36mm (1.42")	Conical Bottom	117.8x77.8x40mm (4.64x3.06x1.57")
DBA07	48x0.2ml Tubes or 6 PCR Strips Half Block	0.2ml Tubes or 6 PCR Strips	6.1mm (0.24")	19.5mm (0.77")	Conical Bottom	77.8x58.9x40mm (3.06x2.32x1.57")
DBA08	24x1.5/2.0ml Block	1.5 / 2.0ml VWR / Eppendorf Microtubes	11.5mm (0.45")	37mm (1.46")	Conical Bottom	117.8x77.8x40mm (4.64x3.06x1.57")
DBA09	30x0.5ml Block	0.5ml PCR Tubes	7.9mm (0.31")	27.6mm (1.09")	Conical Bottom	117.8x77.8x40mm (4.64x3.06x1.57")
DBA10	Flat Block	96 Well or 384 Well Plate, Microscope Slides	/	/	/	117.8x77.8x40mm (4.64x3.06x1.57")
DBA12	96x0.1 / 2.0ml PCR Block	0.1 / 0.2ml PCR	6.1mm (0.24")	12.5mm (0.49")	Cone-shape Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA16	12x15ml Block	15ml Centrifuge Tubes	16mm (0.63")	48.5mm (1.91")	Conical Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA17	5x50ml Block	50ml Centrifuge Tubes	29mm (1.14")	48.5mm (1.91")	Conical Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA23	30x6mm (0.24") Tubes Block	6mm (0.24") Standard Test Tubes	6.5mm (0.26")	18mm (0.71")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA24	24x10mm (0.39") Tubes Block	10mm (0.39") Standard Test Tubes	10.7mm (0.42")	38mm (1.5")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA25	20x12 / 13mm (0.47 / 0.51") Tubes Block	12 / 13mm (0.47 / 0.51") Standard Test Tubes	13.9mm (0.55")	48.5mm (1.91")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")



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## Accessories (cont)

Part #	Name	Sample Type	Well Dia.	Well Depth	Well Bottom	Dimensions L x W x H
DBA26	20x15 / 16mm (0.59/0.63") Tubes Block	15 / 16mm (0.59 / 0.63") Standard Test Tubes	17.5mm (0.69")	48.5mm (1.91")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA27	12x17 / 18mm (0.67 / 0.71") Tubes Block	17 / 18mm (0.67 / 0.71") Standard Test Tubes	19.1mm (0.75")	48.5mm (1.91")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA28	8x20mm (0.79") Tubes Block	20mm (0.79") Standard Test Tubes	21mm (0.83")	48.5mm (1.91")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA29	8x25mm (0.98") Tubes Block	25mm (0.98") Standard Test Tubes	26.2mm (1.03")	48.5mm (1.91")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA30	3x40mm (1.57") Tubes Block	40mm (1.57") Standard Test Tubes	40.5mm (1.59")	48.5mm (1.91")	Round Bottom	117.8x77.8x50mm (4.64x3.06x1.97")
DBA36	20x12mm (0.47") Vials Block	12mm (0.47") Vials	12.7mm (0.5")	48.5mm (1.91")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA37	20x15mm (0.59") Vials Block	15mm (0.59") Vials	15.8mm (0.62")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA38	20x16mm (0.63") Vials Block	16mm (0.63") Vials	16.4mm (0.65")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA39	12x17mm (0.67") Vials Block	17mm (0.67") Vials	17.8mm (0.7")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA40	12x19mm (0.75") Vials Block	19mm (0.75") Vials	19.8mm (0.78")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA41	9x21mm (0.83") Vials Block	21mm (0.83") Vials	21.8mm (0.86")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA42	8x23mm (0.91") Vials Block	23mm (0.91") Vials	23.8mm (0.94")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA43	8x25mm (0.98") Vials Block	25mm (0.98") Vials	25.8mm (1.02")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA44	6x28mm (1.1") Vials Block	28mm (1.1") Vials	28.8mm (1.13")	48.5mm (1.9")	Flat Bottom Hole	117.8x77.8x50mm (4.64x3.06x1.97")
DBA05	Insulation Cover	For up to 7 ml tubes	/	/	/	/
DBA51	High Insulation Cover	For all blocks	/	/	/	/

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