

e-Bucket series

CFC-free Mini-size Bath that can easily heat and cool Microtubes, etc. on bench top. User-oriented Miracle beads bath and aluminum block.



e-IceBucket EIB

e-CoolingBucket ECB

e-HeatingBucket EHB

e-ThermoBucket ETB

e-FreezingBucket EFBN

Features

- 5 models in the temp. range -10°C to +70°C
- CFC free and Operation at Low temperature (EHB for Heating only)
- User-oriented "Miracle beads bath (Optional: Except for the EFBN)"


Applications

- Ice bucket substitution [EIB], Enzyme reaction, etc.
- Low temperature DNA ligation [Except for EHB]
- Cold Shock and Low temp. response experiment [EFBN]



Model	EIB	ECB	EHB	ETB	EFBN
Temperature range	+3°C (Fixed)	+3°C to +20°C (*1)	Around +30°C to +70°C (*1,2,3)	+3°C to +70°C (*1,2,3)	-10°C to +20°C (*4)
Temp. control accuracy	Below ±1°C				
Standard Bath	Miracle beads bath (BMB-17)		Hetero block (BAL-8148)		-
Temp. Display	Digital				
Cooling/Heating method	Cooling with Peltier element		Heater	Heating/Cooling with Peltier element	Cooling with Peltier element
Safe devices/protections	Fuse, Overheat/Overcurrent/Overtoltage protection				
Dimensions (WxDxH)	170 × 240 × 220 mm				
Weight	Main unit: Approx. 2.2 kg + Miracle beads bath Approx. 1.8 kg		Main unit: Approx. 2.2 kg + Hetero block Approx. 1.2 kg		Main unit: Approx. 2.2 kg + Aluminum block
Power supply	AC100V-240V / 1A (universal power supply)				
Applicable Bath/Block	Miracle beads bath, Hetero block, Dual side block				4 kinds of Blocks (See details below)

(*1)The specifications may not be met the ambient temp. above 30°C or below 5°C. (*2)Miracle beads cannot be stably used over 50°C. The specifications may not be met below 20°C. (*3)When used as a water bath (eb-ShakerUnit used with) in EHB, the upper limit temp. is up to 50°C and ETB is up to 55°C. (ambient temp. 5°C to 30°C) (*4)The specifications may not be met the ambient temp. above 35°C or below 5°C.

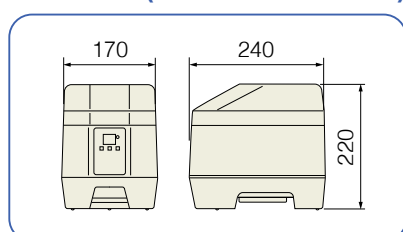
Optional parts: Miracle beads bath (for EIB/ECB/EHB/ETB)

Model	Capacity	Accessory beads	Bucket inner dimensions
 Miracle beads bath BMB-17 *Standard accessories in EIB/ECB	Tray with dia. 2 mm beads fully filled. Various shapes can be put in. The beads can be washed in water and autoclaved.	Diameter approx. 2 mm 1.7 kg	Opening 101 × 158 mm Bottom 94 × 143 mm Depth 74 mm





Optional parts: Aluminum block (for EIB/ECB/EHB/ETB)

Model	Capacity	Dimensions
 Dual side block BAL-8188	0.5 mL Microtube × 48 pcs or 1.5 mL Microtube × 40 pcs (One face 0.5 mL and the other 1.5 mL, Dual-sided use)	98 × 150 × 39 Hmm
 Hetero block BAL-8148 *Standard accessories in the EHB/ETB	0.5 mL Microtube × 24 pcs or 1.5 mL Microtube × 24 pcs (0.5 mL and 1.5 mL can be used simultaneously.)	98 × 150 × 39 Hmm

Dimensions (Common in all models)

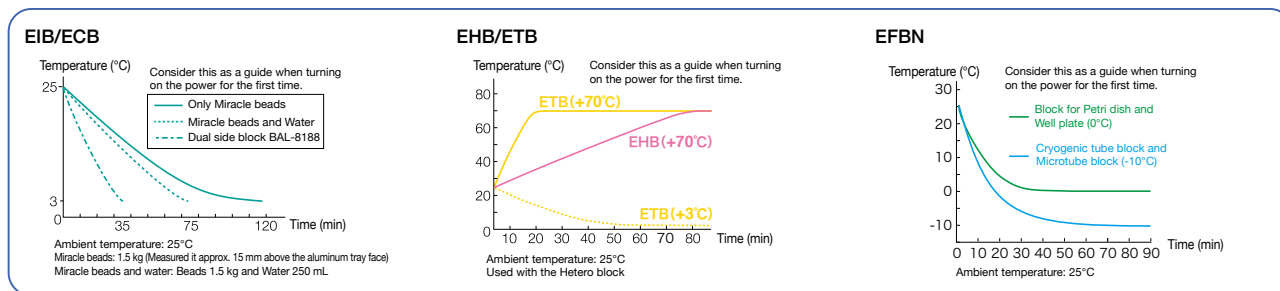


Optional parts: Aluminum block (for EFBN)

Model	Capacity	Dimensions
 Microtube block BAL-1120	1.5 mL Microtube × 20 pcs	67.5 × 93 × 35H mm
 Cryogenic tube block BAL-1320	2.0 mL Cryogenic tube × 20 pcs	67.5 × 93 × 35H mm
 Block for Petri dish BAL-6002	φ60 mm Petri dish × 2 pcs	84 × 136 × 43H mm
 Block for Well plate BAL-0001	Well plate × 1 pc	84 × 136 × 43H mm

• The outer dimensions are the same as those of aluminum blocks. Each comes with Styrofoam heat insulation (Approx. 100 × 150 × 45H mm).

Examples of Temperature transition time (EIB/ECB/EHB/ETB/EFBN) *See the specifications on the previous page.



eB-ShakerUnit

It is attached to the e-Bucket series EIB/ECB/EHB/ETB to enable it to be used as a shaking water bath. For when shaking is required in e-Bucket.

•Mini-size Bath "e-Bucket" series --> P.120 •Unit Water bath with Plastic water bath "Thermominder" series --> P.130/132

Features

- Combined with EIB/ECB/EHB/ETB for use
- Shaking speed 150 r/min, width 10 mm
- Spring net shaking platform is included

Applications

- Incubation such as Enzyme reaction
- Conditioned culture after Transformation of E. coli
- Incubation of dissolved culture medium

"e-Bucket" series (EIB/ECB/EHB/ETB) as a water bath

Required to use "e-Bucket" series except for WTB and EFBN as a shaking water bath. Shaking with this unit is effective for stirring the water in the tank to eliminate temp. bias. Note that Beads bath and Aluminum blocks cannot be used when this unit is combined. Use the Spring net shaking table (included).



Spring net shaking table (included)

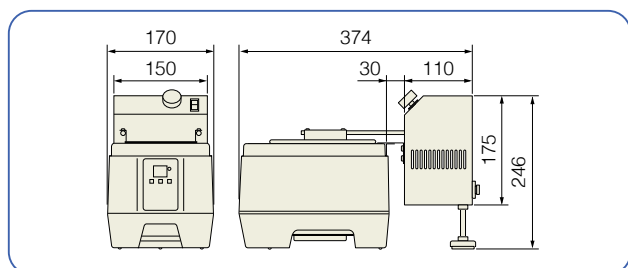
Effective use of Plastic Water bath C-type

To attach the "Plastic Water bath C-type" to the Unit water bath (130, 132 pages) with the attachments (PCA-1 *Optional) can make the "Thermominder" a shaking water bath.



Combined with Plastic water bath C-type (sold separately)

Dimensions (Combined with EIB/ECB/EHB/ETB)



Combined with the e-ThermoBucket ETB (Sold separately)

Model	eB-ShakerUnit
Applicable to	EIB, ECB, EHB, ETB (*1)
Shaking motion/speed	Reciprocal shaking, 30 to 150 r/min
Shaking width	10 mm
Capacity	1.5/2.0 mL Microtube × 20 pcs (approx. 30° tilted) (*2) 50 mL Disposable Centrifuge tubes × 4 pcs (approx. 30° tilted) (*3)
Platform size (W×D×H)	85 × 115 × 20 mm (Changeable height to Max. approx. 70 mm) (*3)
Maximum Load	Approx. 0.5 kg (Platform 0.29 kg is included)
Other function	Service outlet (Max. 14 A) × 1
Safe devices/protections	Fuse, Overcurrent/Overvoltage protection
Dimensions (W×D×H)	Main unit: 150 × 110 × 175 mm (Platform and Protrusions are not included) Combined: 170 × 374 × 246 mm
Weight	Approx. 3 kg (Combined: Approx. 5.2 kg)
Power supply	AC100V-240V / 1A (universal power supply)
Standard accessories	Spring net shaking platform × 1 pc, Aluminum tray × 1 pc

(*1) Cannot be used with the EFBN (*2) 24 pcs of Microtube can be loaded vertically to stand. (*3) When using long vessels such as a 50 mL Disposable centrifuge tube, raise the position of the Spring net of the platform (Default setting height 20 mm from the bottom plate. Changeable height: Max. approx. 70 mm.) *Please note that the lid of the e-Bucket unit cannot be used when this unit is combined with the e-Bucket. Temp. range of EHB is up to 50°C and ETB is up to 55°C.

Optional accessories

Product Name/Model	Remarks
Plastic Water bath C-type	Min. Inner size: 180 × 320 × 155H mm, Heatproof temp.: 70°C
C-type Attachment PCA-1	For attachment of eB-ShakerUnit to Plastic Water bath C-type

NEW

Constant temperature incubator/shaker OD Monitor

For cell culture related products

Shaker

Mixer Rotator Stirrer

Bead beater homogenizer Ultrasonic homogenizer

Aluminum block Bath Mini-size Bath

Water bath Shaking Water bath Immersion cooler

Hybridization incubator Consistent temperature Chambers

Centrifugal concentrators Cold Trap

Freeze dryers

Substrate Electrophoresis apparatus Blotting device for hybridization

Constant-temperature water circulating system [Chilled]

Appendix