

In vitro Box iB-130/iB-230

High quality and Energy saving Refrigerator Incubator. Flagship Small/Middle-size Constant temp. chambers. Possible for operation of small devices inside the chamber.

• Benchtop Compact Shakers --> P.064-065, 068-071 • Small-size Shakers "NR-1/2/3" --> P.074, Middle-size Shakers "NR-10/20/30" --> P.076
• Small-size Rotary Incubator (Rotator) --> P.090-092



iB-130

iB-230

Devices in the chamber are not included.



Connecting hole

There are holes on both sides of the body for sensors, liquid delivery through tubes, etc.



Drip tray

Comes with a Drip tray for condensation water. Put under the unit.



Door lock

The door can be locked with the provided key.

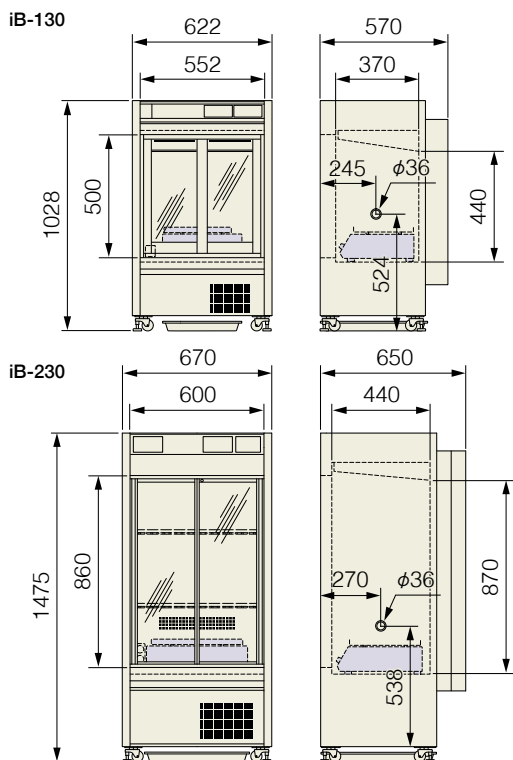


Air flow Control

Strengthen it when there is a lot of condensation and Weaken it when the sample is dry (iB-130).

Dimensions

The gray parts in the figure show the Shaker NR-1/2/3 in iB-130 and the Shaker NR-10/20/30 in iB-230. Reference for when placing inside the chamber.



Features

- The interior and exterior are made mostly of stainless steel, High quality Constant temp. Chamber
- Possible for operation of small devices inside the chamber
- Three position temp. control method is adopted [iB-230]

Applications

- Storage of Samples and Reagents
- Cultivation and Immunoprecipitation by placing on a Shaker or Rotator
- Protein Purification by placing on a Chromatographic Column and Pump [iB-230]

Model	iB-130	iB-230
Temperature range (*1)	+3°C to +45°C	
Temp. control accuracy (*2)	±1.0°C to 2.0°C	
Chamber volume	Approx. 90 L	Approx. 230 L
Heater/Compressor	500 W/80 W	700 W/130 W
Outlet inside chamber	1-Socket × 1 (3 A)	2-Sockets × 1 (3 A in total)
Connecting hole	On both sides (Each φ36 mm) the Lid is included.	
Circulating method inside the chamber	Forced circulating-type (Manually adjustable on the operation part in iB-130 (*3))	
Num. of Shelf/Allowable weight	1 level/35 kg (Equal weight)	2 levels/60 kg each (Equal weight)
Interior/Exterior material	Stainless steel (SUS304) except for some parts	
Safe devices/protections	Overload relay, Temp. sensor error diagnosis, Temp. range over alarm, Memory error alarm, and Compressor High temp. cut circuit	
Dimensions inside chamber (W×D×H)	552 × 370 × 440 mm	600 × 440 × 870 mm
Int. Dimension (W×D×H)	622 × 570 × 1028 mm	670 × 650 × 1475 mm
Weight	Approx. 60 kg	Approx. 90 kg
Power supply (*4)	AC100V/8A /Max.11A (Need a step-down transformer)	
Standard accessories	Shelf (iB230: 2 Shelves) × 1 pc, Pallet × 1 pc, Drip tray × 1 pc, Door key (iB230: 2 Door keys) × 1 pc	

(*1)Defrosting is required once a week when continuous operation at 3°C in iB-130.

(*2)Useable ambient temperature 5°C to 30°C. The accuracy does not include the fluctuations when switching the solenoid valve is not included.

(*3)Strengthen it when there is a lot of condensation and Weaken it when the sample is dry.

(*4)When the outlet inside the chamber is used, the power will increase according to the power supply capacity of the device used.

• 1 set of Shaker NR-1/2/3 can be put on the bottom of the chamber in iB-130 and 1 set of Shaker NR-1/2/3 can be put on the bottom of the chamber in iB-230. There is a limitation on the shaking speed for use. Described for details in the manual of these products. Any devices that do not generate large vibrations such as a Rotator or Seesaw shaker can be used on the shelf (Each device is verified for operating inside the chamber by TAITEC).

Optional accessories

Product	Remarks
Shelf Set for iB-130	Shelves and Shelf holders for iB-130 : 1 set
Shelf Set for iB-230	Shelves and Shelf holders for iB-230 : 1 set
LED irradiation unit LC-450EXP (*)	LED Color: White, Peak wavelength: 450 nm Photon flux density: approx. 310 μmol Dimensions of LED light source: 340 × 240 mm
Dedicated controller LC-LED-CON1 (*)	Dimming method: PWM method Controllable range: control in 1% increments, 10 to 100%
LED irradiation unit mounting bracket LC-1250SB	Brackets for mounting and fixing the LED irradiation unit to the shelf.

(*See page 45 for details. •The number of mounting is up to 2 pcs in iB-130 and up to 3 pcs in iB-230 for practical use.