

Hybridization Incubator Constant temperature Chambers

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Hybridization Oven

Constant temperature Chambers

Hybridization Incubator HB-80



Hybridization Incubator HB-100



Incubation Box M-055N

In vitro Box iB-130





Incubation Box M-210 FN irradiation-type





Compatible with four kinds stirring method of various vessels by changing five kinds Kit.

\	Page	Model	Features	Applications	
	P.134	HB-80	The height 125cm even in Three layers	Various Hybridizations Decoloration of Gel and Membrane	•
	,	HB-100 stacked.		Cultivation of Enzyme reaction and Thermophilic bacteria at High temp.	•

Low vibration, CFC Free, Energy saving Incubator. Maintains 37°C stable even in a room where A/C turned off. Used for various Hybridization, also Thawing at room temp. of samples and reagents.

_			
Page	Model	Features	Applications
P.135	HB-60N	•CFC Free by Electronic heating and cooling with Peltier element •Excellent Storage temp stability, Energy saving and Low vibration •Four stirring method of vessels by easy replaceable platform	Various Hybridizations Thawing at room temp of samples and reagents Stain and destain of gel, enzyme reaction

Benchtop-size Incubator for Microplates that does not occupy limited lab space. Useful for Reaction promoting such as ELISA.

\	Page Model		Features	Applications	
	P.137	M-055N	Space saving, Compact size while Large storage space Six (6) Microplates put together in and out with rack Easy operation. Up to 5 of frequently used temp. can be memorized	•Incubation in ELISA •Incubation of Testing sample •For applications using Microplates	•

High quality and Energy saving as Refrigerator or Incubator. Flagship model Small/Middle-size Constant temp. chambers.

	Page	Model	Features	Applications	
\	iB-130		Most interior and exterior made of stainless steel. High quality Constant temp. Chamber Possible for operation of small devices inside chamber	Storage of Samples and Reagents Cultivation and Immunoprecipitation putting Shaker or Rotator	
	P.138	iB-230	Most interior and exterior made of stainless steel. High quality Constant temp. Chamber Possible for operation of small devices inside chamber Three position temp. control method adopted	Storage of Samples and Reagents Cultivation and Immunoprecipitation putting Shaker or Rotator Protein Purification putting Chromatographic Column and Pump	•

The double glass door both heat insulation and visibility that makes it easy to use. LED irradiation-type and Cromatographic column rack available as an option.

1	Page	Model	Features	Applications	
Ī	8	M-210FN	AMost interior and outsiles mode of		•
	M-210FN		Storage of Samples and Reagents Cultivation and Immunoprecipitation		
	P.139	LED irradiation- type	Possible for operation of small devices inside chamber	putting Shaker or Rotator	
		M-210FN Chromatographic Set	Most interior and exterior made of stainless steel. High quality Constant temp. Chamber Possible for operation of small devices inside chamber Three position temp. control method adopted	Storage of Samples and Reagents Cultivation and Immunoprecipitation putting Shaker or Rotator Temperature control of Chromatographic column	

The double glass door both heat insulation and visibility. Stores Samples and Reagents on shelves while holds Chromatographic column utilizing the large capacity.

Page Model		Features	Applications	
P.140	M-600FN	Most interior and exterior made of stainless steel Comes with Shelf net and Chromatographic column Rack (holders) Possible for operation of small devices inside chamber	Temperature control of Chromatographic column Storage of Samples and Reagents Cultivation and Immunoprecipitation putting Shaker or Rotator	•

	Temperature range	Temp. control accuracy	Shaking motion	Shaking speed	Page
•	•8°C above RT to 80°C	•±0.1°C to 0.2°C	Seesaw Reciprocal Rotation (Bottle	•5 to 60r/min	P.134
-	•8°C above RT to 100°C	10.1 0 10 0.2 0	rotated and Invertion stirring of Microtubes)	0 10 001/11111	

	Temperature range	Temp. control accuracy	Shaking motion	Shaking speed	Page
•	●15°C to 60°C (10°C below RT to 35°C adove RT)	•±0.1°C to 0.2°C	Seesaw Reciprocal Rotation (Bottle rotated and Invertion stirring of Microtubes)	●5 to 60r/min	P.135

	Temperature range	Temp. control accu- racy	Irradiation-type	Chamber volume	Page
•	•5°C above RT to 65°C	•±0.1 to 0.5°C	-	6pcs x Microplates	P.137

	Temperature range	Temp. control accu- racy	Irradiation-type	Chamber volume	Page
→	•3°C to 45°C	•±1.0°C to 2.0°C	_	Approx. 90L Approx. 230L	P.138

	Temperature range	Temp. control accu- racy	Irradiation-type	Chamber volume	Page
•	•0°C to 45°C		_		
•	•10°C to 45°C	•+1 0°C to 2 0°C	J	Approx. 392L	P.139
	•0°C to 45°C	•±1.0°C to 2.0°C	-	, рргох. 6622	1.100

	Temperature range	Temp. control accuracy	Irradiation-type	Chamber volume	Page
•	•0°C to 45°C	•±1.0°C to 2.0°C	-	Approx. 642L	P.140

Stackable up to Three levels.

Stackable up to Three levels in HB series enables powerful support for Lab space saving. Simultaneous use of multiple persons by exchanging Kits. Mass processing used with Bottle kit in a limited space can be realized.

HB-60N, HB-80 and HB-100N stacked is shown below The height 135cm even in Three levels stacked.



Use depending among four kinds stirring method of vessels and various vessels by changing five kinds Kit.

Changing Shaking Kit enables to perform "Seesaw shaking/Reciprocal shaking/Orbital shaking". "Rotation" is applied for Bottle Kit and inverting stirring of Microtube. Replacement of Kit is very easy with no tools required.



Possible for operation of small devices inside chamber.

When combined with small shaker or Rotator the scope of experiment will widen. Equipped with outlet inside changer for operation of devices. Plus power code can be drawn outside through Connection hole (Each device verified with operating it inside chamber by us/TAITEC).



Connection hole for small device (operation)

Various mechanisms enable to raise usability

Equipped with functions/mechanisms such as Door locking and air volume control for stirring air inside chamber.



Door lock (iB-130/230)





Solar cell-type temp. indicator (M-210FNseriesM-600FN)



Drip tray (Built in among some models)

Hybridization Incubator HB-80/HB-100

Enables to use depending between four kinds stirring method of vessels and various vessels by easy replaceable shaking platform. Two models by different temp. Stackable and Space saving.

Bioshaker for High temp. Small size --> P.018, Middle size --> P.022 Shaking water bath for High temp. --> P.120 Electrophoresis and Blotting devise --> P.160-164 Optional accessories --> P.136



Optional Seesaw Kit inside HB-80



Optional Bottle Kit inside

Model	HB-80	HB-100
Temperature range	8°C above RT to 80°C	8°C above RT to 100°C
Temp. control accuracy (*1)	±0.1°C to 0.2°C	
Shaking motion	Seesaw, Reciprocal and Rotation (Bottle rotated and Invertion stirring of Microtubes) by changing to Optional Shaking Kit.	
Shaking speed	5 to 60r/min	
Platform effective dim.	260 x 230mm	
Temp./Speed display	Digitally	
Timer	-	ON/OFF/ON-OFF (1min to 999min)
Heater	300W	
Circulating method inside chamber	Flow-type	Semi-Air jacket and Flow- type
Safe devices/protections	Fuse, Heater overheat double safety device, Motor overload stop, Electrical circuit over voltage/over current protection function (power supply cuts off), Temp. controller error self-diagnosis, Sensor error display, Notification when maintenance required (HB-100)	
Dimensions (W x D x H)	425 x 445 x 445mm	
Weight	Approx. 30kg	
Power supply	AC100V/4A	
Standard accessories	1 x Stackable bracket	

(*1) The value under ambient temperature 25°C.

(*2) Shaking Kit sold separately. Purchase any Shaking Kit separately (Any as a set can be sold. See page 136 for details.

Features

- Four stirring method of vessels by easy replaceable platform
- •Stackable up to Three levels. The height 135cm even in Three levels stacked.
- •HB-80 up to 80°C and HB-100 up to 100°C

Applications

- Various Hybridizations
- Decoloration of Gel and Membrane
- Cultivation of Enzyme reaction and Thermophilic bacteria at High temp.

2-action Kit exchanging (Common in HB series)



Reciprocal/Seesaw Kit

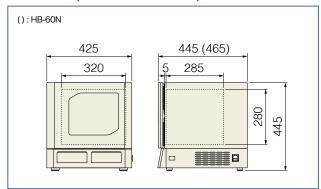
Fix the platform at the bottom and Insert the drive shaft into the two holes on left side. See 1234 on page 136



Bottle/Microtube Kit

Insert the shaft into the hole on right side and adjust the disk of shaft to the disk on left side. See \$67 on page 136

Dimensions (Common in HB series)



Hybridization bottle

Optional accessories (Common in HB series) : L-shape Test tube, Hybridization bottle etc.

Product name/Model	Remarks	Qty
Hybridization bottle (small) BT-3515	Inner diameter ф33 x 150mm (Cap not included)	1pc
Hybridization bottle (large) BT-3525	Inner diameter \$33 x 250mm (Cap not included)	1pc
Nylon mesh sheet 230	230 x 230mm (*)	5pcs
Bottle rack BL-4106	Acrylic-made Stand for 6pcs of Bottle.	1pc
Bottle rack BL-4108	Acrylic-made Stand for 8pcs of Bottle.	1pc
L-shape Test tube (10pcs included)	Inner diameter $\phi 33 \times 120 \times 70$ mm with Lim	10pcs

(*)Used as a spacer between membranes. Used by cutting it any size

See page 136 for optional accessories

Hybridization Defrost incubator HB-60N

Low vibration, CFC Free, Energy saving Incubator. Maintains 37°C stable even in a room where A/C turned off. Used for various Hybridization, also Thawing at room temp. of samples and reagents.

Electrophoresis and Blotting devise --> P.160-164 Optional accessories --> P.134, P.136

Features

- CFC Free by Electronic heating and cooling with Peltier element
- Excellent Storage temp stability, Energy saving and Low vibration
- Four stirring method of vessels by easy replaceable platform

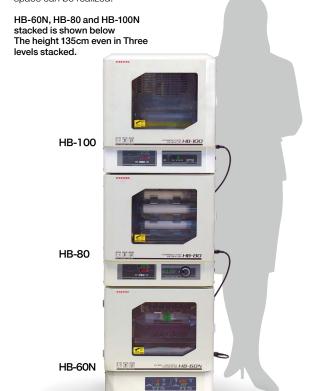
Applications

- Various Hybridizations
- Thawing at room temp of samples and reagents
- Decoloration of Gel and Membrane



Stackable up to Three levels. (Common in HB series)

Stackable up to Three levels in HB series enables powerful support for Lab space saving. Simultaneous use of multiple persons by exchanging Kits. Mass processing used with Bottle kit in a limited space can be realized.



See page 136 for optional accessories





Optional Invertion stirring Kit inside

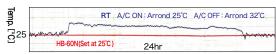
CFC Free by Electronic heating and cooling with Peltier element

Peltier element enables heating and cooling from 15°C to 60°C. Use it for Hybridizations and Thawing at room temp of samples and reagents that can be done at this temp. range. * HB-80 (Up to 80°C) and HB-100 (Up to 100°C) recommended for Higher temp applications.

Maintains 37°C stable even in a room where A/C turned off.

Peltier element enables heating and cooling from 15°C to 60°C. Use it for Hybridizations and Thawing at room temp of samples and reagents that can be done at this temp. range. As below line graph shows, room temp with air conditioner turned off fluctuates greatly (Blue line). Even under such circumstances, HB-60N maintains the set temp (Red line).

■The chamber inside temp stability of HB-60N (set at 25°C) under change of room temp.



Model	HB-60N
Temperature range (*1)	15°C to 60°C (RT-10°C to RT+35°C)
Temp. control accuracy (*1)	±0.1°C to 0.2°C
Shaking motion	Seesaw, Reciprocal and Rotation (Bottle rotated and Invertion stirring of Microtubes) by changing to Optional Shaking Kit.
Shaking speed	5 to 60r/min
Platform effective dim.	260 x 230mm
Temp./Speed display	Digitally
Heating/Cooling method	Peltier element: 300W
Circulating method inside chamber	Flow-type
Safe devices/protections	Fuse, High ttemp., Overvoltage protection, Temp. error diagnosis, Breaking device when Hood open, Motor overload proteciton, Temp. controller error self-diagnosis, Sensor error display
Dimensions (W x D x H)	425 x 445 x 445mm
Weight	Approx. 32kg
Power supply	AC100V/4A
Standard accessories	1 x Stackable bracket

^(*2) Shaking Kit sold separately. Purchase any Shaking Kit separately (Any as a set can be sold. See next

HB Series optional accessories

Main unit of Hybridization Oven/Constant temperature Defrost Shaking incubator→P.134/135
 Monode Shaking with L-shape Test tube in Shaking Water bath→P.121/125

Seesaw Shaking such as Hybridization Bag and L-shape Test tube





Seesaw Kit + Monod Shaking platform

Enables Seesaw Shaking. The moving distance of liquid of Seesaw Shaking larger than that of Reciprocal Shaking when the same size. Seesaw Shaking better than Reciprocal Shaking when Hybridization Bag used. L-shape Test tube (sold separately) can be combined with Monod Shaking Platform (sold separately).

Even Commercial vessels that can be attached if the diameter and length can be fit.

8pcs of Optional Hybridization Bottle (small/large) can be attached.

Rotation of Hybridization Bottles

Reciprocal Shaking with Plastic containers ans Petri dishes





Preciprocal Kit + **Reciprocal Multistage Shaking platform**

Enables versatile Reciprocal Shaking. Can be widely used for Plastic containers and Petri dishes etc. It can be combined with Multistage Shaking platform (sold separately) that enables processing multiple samples simultaneously.

Invertion stirring of Microtubes



Microtube Kit

Up to 96pcs of Commercial 1.5/2.0 ml Microtubes can be attached. Microtubes will be fixed in the direction being Invertion stirring.

Invertion stirring and Rotation of Micro Vials and Disposable Centrifuge tubes.

1 Inversion stirring Kit

(Vessels not included)





The Set includes Rotary shaft and Tube holder 3 types (for 4pcs x 50ml Disposable Centrifuge tube, for 6pcs x 15 ml Disposable Centrifuge tubes, for 8pcs x Micro Vials that fit to diameter of 1.5/2.0 ml Microtubes; Each 3 tubes) and Tray. As the nails of holder can be attached with changing the direction by 90°, "in situ Hybridization" can be also done by setting 50ml Disposable Centrifuge tube-sized Slide glass vessels to direction of rotation as shown in below figure.



The nails can be attached with changing in direction.

(Vessels and Slide glass not included)



•					
Shaking Kit		UD 00 cet	UD 400 I		
Product name Model		Vessels/Capacity/Shaking angle etc.	HB-80 set	HB-100 set	
O Seesaw Kit	S-2623	Plastic container, Hybrid Bag etc. Angle : 4-step variation 7/8/11/15 °	HB-80S set	HB-100S set	
②Seesaw Kit + Monode Shaking platform	S-2623 +MD-1818	Dedicated for L-shape Test tube (See page134) 16pcs (2-row x 8pcs) Angle : 4-step variation 7/8/11/15 °	HB-80SMD set	HB-100SMD set	
⊗ Reciprocal Kit	R-2623	Plastic containers, Petri dishes etc. Shaking width: 4-step variation 18/25/30/40 mm	HB-80R set HB-100R set		
	R-2623 +WR-2520	Plastic containers, Petri dishes etc. Shaking width: 4-step variation 18/25/30/40 mm	HB-80RWR set HB-100RWR set		
⑤ Bottle Kit	B-4008	8pcs x Bottle In large sized Membranes, curl it off and put it in.	HB-80B set	HB-100B set	
⊙Microtube Kit	M-1596	96pcs(32pcs x 3) x 1.5/2.0mL Microtube (Tubes easy being attached just pinching it to the claw.)	HB-80 M set	HB-100M set	
Olnversion stirring Kit (*)	M-4000	Rotary shaft, Tray, 3pcs x M-0500, 3pcs x M-0150 and 3 x M-0150 come as a set. Capacity of vessels below(*)	HB-80M4 set	HB-100M4 set	

(*) Each Tube holder can be singly sold for additional. [M-0500 (for 4pcs of 50 ml Disposable Centrifuge tube: 3 pcs)] [M-0150 (for 6pcs x 15 ml Disposable Centrifuge tube: 3 pcs)] [8pcs x M-0015 (1.5/2.0 ml Microtubes etc.: 3 pcs)]. Up to 6pcs of Tube holders can be attached on the rotating shaft when no interference the vessels

Incubation Box HB-60N

Benchtop-size Incubator for Microplates that does not occupy limited lab space. Useful for Reaction promoting such as ELISA.

"Constant temperature Incubator shaker for Well plates/Microtubes" when shaking required. --> P.016

Features

- Space saving, Compact size while Large storage space
- •Six Microplates whole put in and out with rack
- Easy operation. Up to 5 of frequently used temperature can be memorized

Applications

- Incubation in ELISA
- •Incubation of Testing sample
- For applications using Microplates

Applicable vessels

Comes with Aluminum Rack that can Six Microplates whole put in and out. Other vessels can be put inside when the rack not used.



Model	M-055N
Temperature range	5°C above RT to 65°C
Temp. control accuracy (*1)	±0.1°C to 0.5°C
Capacity	6pcs x Microplate (2pcs x 3 levels)
Temp. setting method	UP/DOWN keys
Min. temp. setting unit	0.1°C
Temperature display	Digitally (Switchable Chamber temp./ Preset temp.)
Heater	190W
ON/OFF Timer	1 min to 99H59min
Memory Temp. setting	5 Memories + Set-Off Memory (6 Memories in total)
Safe devices/protections	Temperature Fuse (3A: Back of body), Thermostat, Sensor error (Cable breaking/Short circuit), High/Low temp. alarm (can be arbitrary setting), Memory error, DI error, Auto tuning error
Chamber Dimensions (W x D x H)	260 x 190 x 116 mm (Sensor part included)
Dimensions (W x D x H)	350 x 288 x 339mm
Weight	Approx. 13kg
Power supply	AC100V/3A
Standard accessories	1 x Aluminum Rack for Microplate (Capacity 6pcs)

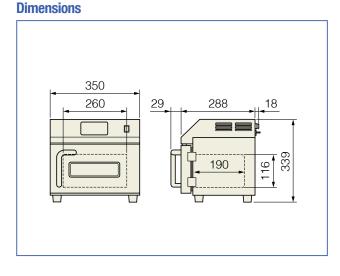
(*1) The value under ambient temperature 25°C.



Memory Temperature setting

Up to Five frequently use temp. can be memorized. The set up more quick than djusting that of the numbers by up and down keys because just invoking it when using it.

USER'S VOICE There was almost no handy air bath-type Incubator like this when I was a student. I think this one will help you Incubation work.



In vitro Box iB-130/iB-230

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

Benchtop Compact Shakers --> P.054-059 Small-size Shakers --> P.062 Middle-size Shakers --> P.064 Small-size Rotary Incubator (Rotator) --> P.081



Combination of iB-130/230, Shakers and Rotators

Drip tray

Comes with Drip tray for

condensation Put under the unit densation water

Features

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

Applications

- Storage of Samples and Reagents
- Cultivation and Immunoprecipitation putting **Shaker or Rotator**
- Protein Purification putting Chromatographic Column and Pump [iB-230]



Door lock locked with the provided key



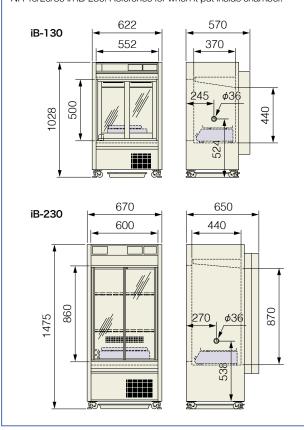
Air flow Control Strengthen it when there is a lot of condensation

Dimensions

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

Connecting hole

sides of the body for



iB-130 iB-230 Model Temperature range (*1) 3°C to 45°C Temp. control accuracy (*2) ±1.0°C to 2.0°C Chamber volume Approx. 90L Approx. 230L Heater/Compressor 500W/80W 700W/130W Outlet inside chamber 1 x 1-Socket (3A Connecting hole On both sides (Each \$36 mm) Lid included Circulating method inside Forced circulating-type (Manually adjustable on the operation part in iB-130 (*3)) Num. of Shelf/Allowable weight 1 level/35kg (Equal weight) 2 levels/60kg each (Equal weight) Interior/Exterior material Stainless steel (SUS304) except for some part Overload relay, Temp. sensor error diagnosis, Temp. range over alarm, Memory error alarm, Compressor High temp. cut circuit Safe devices/protections Dimensions inside chamber 552(W) x 370(D) x 440(H)mm 600(W) x 440(D) x 870(H)mm Int. Dimension 622(W) x 570(D) x 1028(H)mm 670(W) x 650(D) x 1475(H)mm Power supply (*4) AC100V/8A 1 x Shelf (iB230: 2 Shelves), 1 x Pallet, 1 x Drip tray, 1 x Door key (iB230: 2 Door keys)

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

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

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

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

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

Optional accessories: Shelves (for addition)

Product	Remarks
Shelf Set for iB-130	Shelves and Shelf holders for i-130 : 1 set
Shelf Set for iB-230	Shelves and Shelf holders for i-230: 1 set

●Number of mounting are up to 2 pcs in iB130 and up to 3pcs in iB-230 for practical use

Incubation Box M-210FN/M-210FN Light irradiation

The double glass door both heat insulation and visibility that makes it easy to use. Light irradiation-type and Cromatographic column rack available as an option.

Incubator Shaker with LED irradiation --> P.024 LED irradiation unit --> P.037 Benchtop Compact Shakers --> P.054-059 Small-size Rotary Incubator (Rotator) --> P.081

Features

- Most interior and exterior made of stainless steel
- •Fluorescent light irradiation-type and Cromatographic column rack available
- Possible for operation of small devices inside chamber

Applications

- Storage of Samples and Reagents
- Cultivation and Immunoprecipitation putting Shaker or Rotator
- •Temperature control of Chromatographic column [Option]

The display of temp. inside chamber (Solar cell-type temp. indicator)



The temp. inside chamber displayed on the solar battery-type indicator (a button battery built in). The temp. can be seen even when power failure.

Model	M-210FN	M-210FN Light irradiation	
Temperature range	0°C to 45°C	10°C to 45°C	
Temp. control accuracy (*1)	±1.0°C to 2.0°C		
Illuminance	-	Approx. 8000 lx (*2)	
Number of Fluorescent lamp	-	4pcs x 32W	
Chamber volume	Approx. 392L		
Heater	200W		
Compressor	200W (Automatic defrosting function, ON/OFF can be arbitrary turned)		
Outlet inside chamber/ Connecting hole	Outlet: 1 x 2-Socket (Drip-proof-type, 5A in total) Connecting hole: Left side (\$40,000 mm)		
Circulating method inside chamber	Forced circulating-type		
Num. of Shelf/Allowable weight	3 levels/50kg each (Equal weight)		
Interior/Exterior material	Stainless steel (except for some part)		
Shelf Dimensions	460 x 615mm (The deep of shelf of Light irradiation type narrow: 330mm)		
Dimensions inside chamber	494(W) x 646(D) x 1416(H)mm		
Int. Dimension	600(W) x 800(D) x 1905(H)mm		
Weight	Approx. 103kg Approx. 112kg		
Power supply (*3)	AC100V/6.5A AC100V/9A		
Standard accessories/Others	3 x Shelf, 1 x Pallet, 1 x Drip tray, Drainage trap on the bottom		

^(*1) The value under ambient temperature 25°C. Useable ambient temperature is 5°C to 30°C. (*2) The value under 50Hz about 200mm away from fluorescent lamp. Timer for fluorescent lamp can be installed as an option.

(*3) When the outlet inside chamber used the power will increase according to the power supply capacity





M-210FN Light irradiation-type

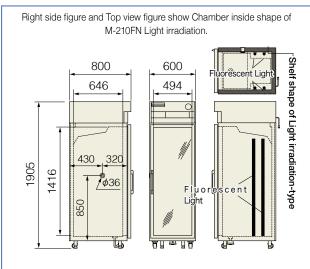
Fixing Chromatography column to Chromatographic stand (sold separately)





Optional Chromatographic column Rack consists only self-supporting column. Prepare Clamps etc. separately to fix Chromatographic column.

Dimensions



Optional accessories: Rack for Chromatographic column

Product	Remarks
Chromatographic Rack	Holders that installe Clamps to fix Chromatographic column. Prepare Clamps separately.
M-210FN Chromatographic Set	The set for Main unit and Chromatographic column Rack .

Selection

temperature incubator shake

cO₂ inco

ncubator

Mixer Rotato Stirre

Bead beater homogenizer Ultrasonic

Aluminum
block bath
Minisize hat

Shaking water ba

Constant temperat

We contribute to the development of research and industry
[2019-2020 General Catalog]

of device used.

The specs of M-210FN LED irradiation subject to change depending on the production date.

TAITEC Chromatographic Chamber M-600NF

The double glass door both heat insulation and visibility. Stores Samples and Reagents on shelves while holds Chromatographic column utilizing the large capacity. Possible for operation of small devices inside.

Benchtop Compact Shakers --> P.054-059 Small-size Rotary Incubator (Rotator) --> P.081



Features

- Most interior and exterior made of stainless
- Comes with Shelf net and Chromatographic column Rack (holders)
- Possible for operation of small devices inside chamber

Applications

- •Temperature control of Chromatographic column
- Storage of Samples and Reagents
- Cultivation and Immunoprecipitation putting **Shaker or Rotator**

Fixing Chromatographic column to Chromatographic Rack (sold separately)



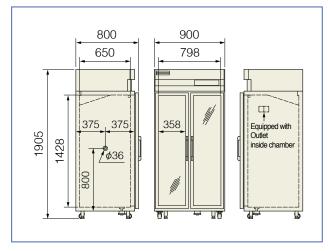
Included Chromatographic column Rack consists only self-supporting column. Prepare Clamps etc. separately to fix Chromatographic column.

The display of temp. inside chamber (Solar cell-type temp. indicator)



The temp. inside chamber displayed on the solar battery-type indicator (a button battery built in). The temp. can be seen even when power failure.

Dimensions



Model	M-600NF	
Temperature range	0°C to 45°C	
Temp. control accuracy (*1)	±1.0°C to 2.0°C	
Chamber volume	Approx. 642L	
Heater	200W	
Compressor	200W (Automatic defrosting function, ON/OFF can be arbitrary turned)	
Outlet inside chamber	Outlet: 1 x 2-Socket (Drip-proof-type, 5A in total)	
Connecting hole	Left side (\$\phi36\text{ mm})	
Circulating method inside chamber	Forced circulating-type	
Num. of Shelf/Allowable weight	2 rows x 3 levels/50kg each (Equal weight)	
Interior/Exterior material	Stainless steel (except for some part)	
Dimensions inside chamber	798(W) x 650(D) x 1428(H)mm	
Shelf Dimensions	330 x 615mm (2 pcs can be installed per one level)	
Int. Dimension	900(W) x 800(D) x 1905(H)mm	
Weight	Approx. 120kg	
Power supply (*2)	AC100V/6.5A	
Standard accessories/ Others	6 x Shelf, 2 x Pallet, 1 x Drip tray, 1 x Assembly-type Chromatographic Rack, Drainage trap on the bottom	

- (*1) The value under ambient temperature 25°C. Useable ambient temperature is 5°C to 30°C. (*2) When the outlet inside chamber used, the power will increase according to the power sup of device used.

 Short circuit breaker etc. can be installed as an option.