

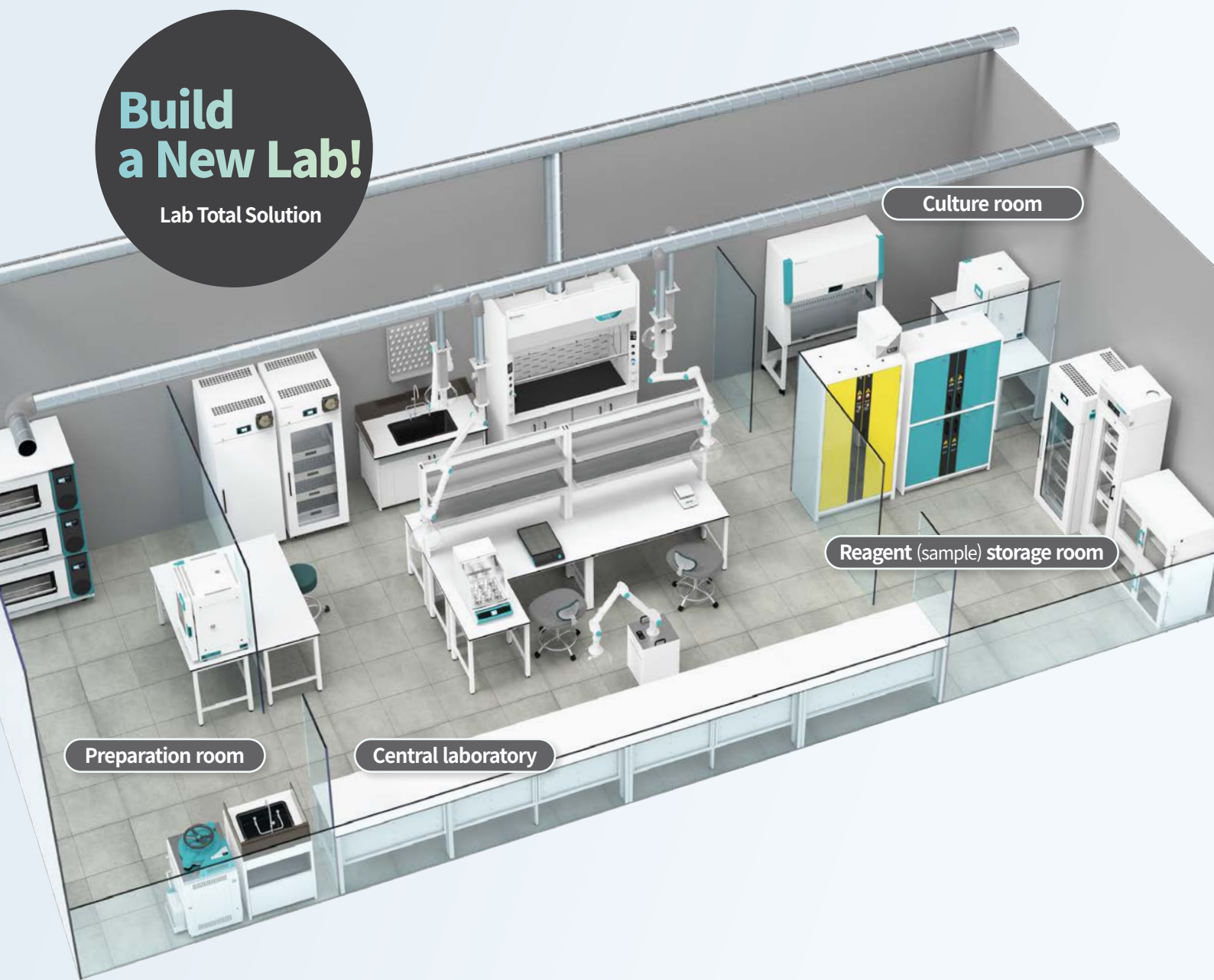


Lab Companion

2022 - 2023 Catalog

**Build
a New Lab!**

Lab Total Solution



Culture room

Reagent (sample) storage room

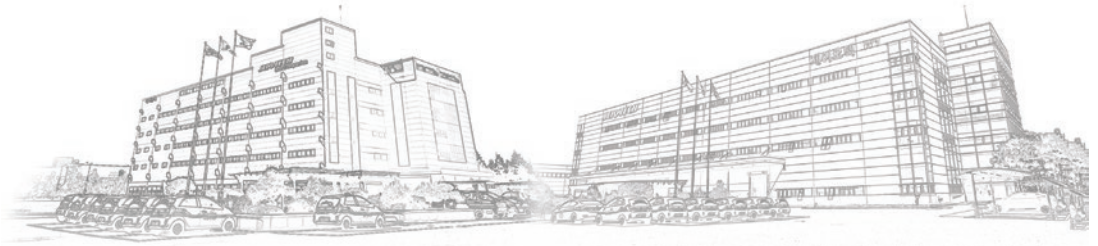
Preparation room

Central laboratory

JEIO TECH is your Lab Companion that provides what you need for your lab.
We always think about how we can help researchers to make those successful results.



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Lab Essentials **42**

Lab Companion, JEIO TECH

Founded in 1988, JEIO TECH, which started from the dream of localizing experimental equipment, has now reached its 34th anniversary. Thanks to the support of our customers, we have grown into a leading manufacturer of experimental equipment in Korea that supplies stable experimental equipment all over the world. Main fields are physics and chemistry experimental equipment and reliability testing equipment with technology that allows for excellent control of temperature, humidity, and motion. The company contributes to the entire value chain of laboratory and reliability testing equipment supply, from product development, manufacturing, and sales to validation and after-sales service.



Sheet Metal Working

Producing a variety of products based on automation equipment.



Precision Machining

Production of precision parts with state-of-the-art machining



Powder Painting

Maintaining automated painting facilities and strict quality standards



Assembly Process

Systematic processes such as instruments, electricity, control, and refrigeration



Total Inspection

100% inspection of all products produced

< Highly qualified and large capacity factory can offer any product you want at the favorable times >

JEIO TECH has the production facility of about 29,752 m² in Korea and meeting its customers worldwide through five domestic and overseas sales offices (including USA). It is striving to become a more reliable research/experimental partner by obtaining product certification such as ISO9001 and ISO13485 quality certification, CE, UL, and CSA. From now on, we will do our best to be loved as a leading Korean company in the world, in the field of research and reliability testing machines.



< View of Headquarter, Daejeon in Korea >



< Key certification and memberships >



< Lab Companion worldwide >

Lab Companion

We are 'Companion in Laboratory' JEIO TECH. We use a brand name 'Lab Companion' embracing the meaning of establishment our company. Lab Companion supplies not only the excellent experimental equipment manufactured by JEIO TECH but also various equipment according to the needs in laboratory at global through cooperation with the other main brand for lab use. Lab companion dreams providing the better the laboratory environment through agonizing and searching for a solution with researchers and experimenters of lab.

Lab Companion –Korea representative brands, we accompany you from purchasing the laboratory equipment to building a good lab.

Customized Products

We JEIO TECH is representative manufacturer for experimental equipment and reliability testing equipment. We created Special Product division to supply a custom-made equipment which is optimized for the customer own tests. Special Product division consists of technical sales team providing the technical consultant and design manufacturing team presenting the right solutions to the test requirement of users, so they make service more professional. They has delivered successful results to leading international companies such as Samsung SDI, LG Chem and so on. Our Special Product division is a department of JEIO TECH who has the accumulated manufacturing skill over 34 years, we are growing up with our customers.



Temperature test chamber for Fire suppression type



Multi-drawer type oven



Altitude simulation test chamber



Walk-in chamber type temp. & humid. chamber

LC Connected

Real-time mobile control and monitoring system

LC Connected is a system that connects the lab's research device to a single network, allowing the experimenter to operate the device more efficiently. Experimenters can check the condition of their devices anytime, from any location via the mobile app. They can reduce time taken for device managing thanks to check the operation status of registered devices at once, so it makes concentrate on more important works.



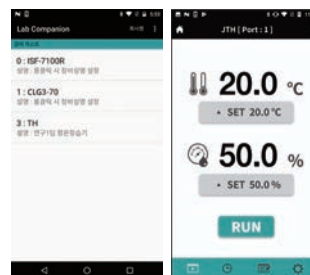
LC GreenBox



Lab Companion Mobile App

- Access to the Cloud Server via Wi-Fi or wired LAN.
- Control devices in real time monitoring and two-way communication via Lab Companion mobile application.
- LC GreenBox is available to connect up to 4 devices via RS-232 port.
- Needs to connect PC when sets the network connection at first only.

※ We will continue to expand Lab Companion equipment with a PC interface.
(Supported from Android 6.0 Marshmallow version and above, iOS 12.0 and above.)



Real-time mobile monitoring system



Connection up to 4 devices

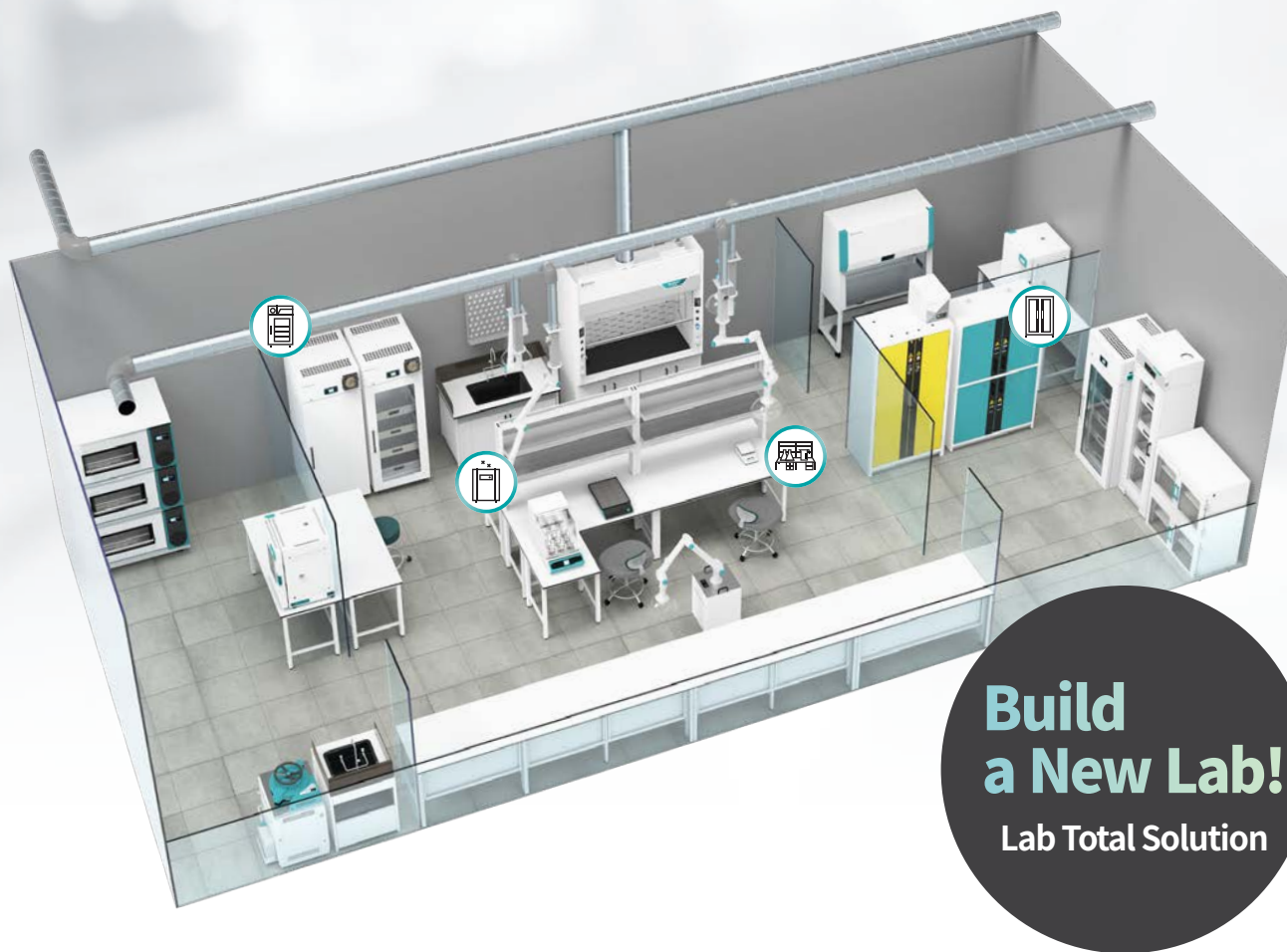


Power failure notification

Build a New Lab!

Do you need help to set your new lab?
or Do you have a plan to move the lab?

JEIO TECH is your Lab Companion that provides what you need for your lab.
We always think about how we can help researchers to make those successful results.



One stop purchasing

You can find all what you need at once JEIO TECH.



Laboratory Equipment

- Oven & Incubator
- Furnace
- Shaker & Incubated Shaker
- Bath Circulator
- Heating Bath
- Chiller (Recirculating Cooler)
- Stirrer & Mixer
- Autoclave



Fume Hood

- Clean Bench
- PCR Workstation
- UV Sterilization Cabinet
- Ductless Fume Hood
- Mobile Fume Extractor



Safety Storage & Cabinet

- Fire Safety Storage Cabinet
- Corrosive Cabinet
- Filtering Storage Cabinet
- Gas Cylinder Cabinet
- Multiple Drawer Cabinet
- Desiccator



Laboratory set up and design, from layout drafting to product installation

The laboratory is not enough to be set up by simply placing furniture and equipment in a room, experience and knowledge are required to select the most suitable products for the workflow and experimental conditions along with safety considerations to create the best laboratory environment.

‘Lab Companion’, JEIO TECH is a company that has over 3 decades of history in the laboratory equipment manufacturing industry with accumulated know-how and delivery performance to provide customers with optimized solutions from selecting the basic equipment, workspaces, laboratory furniture, safety cabinets, etc. to drafting laboratory layouts using specialized software to protect the safety of users and create a pleasant laboratory environment.



Refrigerator & Freezer

Laboratory Refrigerator
Laboratory Freezer
Pharmaceutical Refrigerator



Lab Essentials

Plastic Ware
Safety Product



Environmental Test Equipment

Temp. & Humid. Chamber
Heating & Cooling Chamber
Heating Chamber



Bath Circulator



Refrigerated & Heating Bath Circulator



Refrigerated & Heating Bath Circulator
Program type

- Programmable temperature control.
- LCD color touch screen.



Refrigerated & Heating Bath Circulator
General type

- Various temperature range and capacity.
- Smart refrigerating system.

Working Temp. Range	-35 ~ 150°C -25 ~ 150°C
Temp. Stability at -10°C	± 0.05°C
Bath Volume	5L / 10L / 20L / 30L
Model	RW3-P

Working Temp. Range	-35 ~ 150°C -25 ~ 150°C
Temp. Stability at -10°C	± 0.05°C
Bath Volume	5L / 10L / 20L / 30L
Model	RW3

Heating Bath Circulator



Heating Bath Circulator
Program type

- Programmable temperature control.
- LCD color touch screen.



Heating Bath Circulator
General type

- Suitable for precise temperature testing above ambient temperature.
- Temperature deviation alarm.

Working Temp. Range	Amb. +10-150°C
Temp. Stability at 50°C	± 0.05°C
Bath Volume	5L / 10L / 20L / 30L
Model	CW3-P

Working Temp. Range	Amb. +10-150°C
Temp. Stability at 50°C	± 0.05°C
Bath Volume	5L / 10L / 20L / 30L
Model	CW3

Programmable Mode

- Setting and saving 10 programs.
- Up to 10 steps can be set per program.
- Set time up to 99 hours and 59 minutes per step.
- Program repetition possible up to 99 times.
- Time set for increasing / decreasing temperature.
- Pre-heating possible before starting program.
- Displays and controls the status of the device through the computer interface.



Chiller (Recirculating Cooler)



Ambient temp. type



CE

Chiller(Recirculating Cooler)

HX general type

- Representative recirculating cooler suitable for general use.
- Minimized on/off operation of compressor.

Temperature Stability	± 1.0°C
Working Temp. Range	+ 3 ~ 40°C
Max. Cooling Capacity	8.1 kW at 20°C
Pump Capacity	Max. 40L /min. 6 bar
Model	HX

Low temp. type



CE

Chiller (Recirculating Cooler)

HL low-temperature general type

- Recirculating cooler for low temperature range.
- Easy checking the pump status by pump pressure gauge.

Temperature Stability	± 1.0°C
Working Temp. Range	-20 ~ 40°C
Max. Cooling Capacity	7.1kW at 20°C
Pump Capacity	Max. 70 L/min. 6 bar
Model	HL

Low / High temp. precision type



Chiller (Recirculating Cooler)

HS low-temperature precision type

- Precise temperature control at low temperature range.
- Provide function of control via external temperature sensor.

Temperature Stability	± 0.2°C
Working Temp. Range	-20 ~ 40°C
Max. Cooling Capacity	7.1kW at 20°C
Pump Capacity	Max. 70 L/min. 6 bar
Model	HS



CE

Chiller (Recirculating Cooler)

HH high-temperature precision type

- Wide temperature range.
- Precise control with +0.1°C stability by PID temperature control.

Temperature Stability	± 0.1°C
Working Temp. Range	-20 ~ 80°C
Max. Cooling Capacity	6.5kW at 20°C
Pump Capacity	Max. 70 L/min. 6 bar
Model	HH



Chiller (Recirculating Cooler)

Compact type

- Easy installation and moving with compact design.
- Optimized for use with rotary evaporators.

Temperature Stability	± 1.0°C
Working Temp. Range	-10 ~ 30°C
Max. Cooling Capacity	580W at 20°C
Pump Capacity	Max. 26 L/min. 0.7 bar
Model	RC

Proven reliability & reproducibility

Made and tested according to international standards.

- Meets safety requirements, including electrical safety standards for chillers. (Recirculating Cooler)
- Conduction of device performance tests required as per the standards to provide reliable product performance.
- Verified test results provided as specification to allow for selection of the suitable model for the user.

Customized Recirculating Cooler

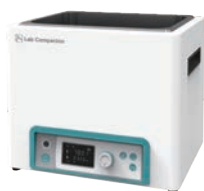
Customized design, production and installation services with optimized performance for your application.

- Temperature range and stability.
- Cooling capacity and heat absorption ability.
- Pump capacity and configuration in/out.
- Reasonable convenient safety system.
- Controller & data processing.

Heating Bath & Cold Trap Bath



Heating Bath



Heating Bath

General type

- Temperature calibration & timer.
- Low water level limiter.

Temp. Range	Amb. +7 ~ 100°C
Bath Volume	3.5L / 11.5L / 20L
Model	BW3-G



Heating Bath

Agitator type

- Circulation of solution by an agitator.
- Independent temperature control for each bath.

Temp. Range	Amb. +5 ~ 100°C
Bath Volume	3.5L / 11.5L / 20L 3.5L & 3.5L / 3.5 & 11.5L / 11.5L & 11.5L / 11.5L & 20L
Model	BW-H



Heating Bath

Economy type

- Economical water bath for easy use.
- Over temperature limiter.

Temp. Range	Amb. +7 ~ 100°C
Bath Volume	3.5L / 11.5L / 20L
Model	BW-B

Heating Bath, Visible



Heating Bath

Visible type

- Convenient for internal observation.
- Easy to measure viscosity.

Temp. Range	Amb. +5 ~ 150°C
Bath Volume	25L / 40L
Model	VB

Heating Bath, Shaking



Heating Bath

Shaking type

- Temperature control and shaking can be set independently.
- Spring wire rack as standard accessory.

Temp. Range	Amb. +5 ~ 100°C
Bath Volume	17L / 25L / 37L / 55L
Model	BS

Cold Trap Bath



Cold Trap Bath

- Capture moisture, organic solvents etc. into vacuum pump.
- It can be used in bath that requires low temperature.

Temp. Range	Down to -40°C
Bath Volume	4.8L
Model	CTB-10



Provides optimal choice for diverse experiment needs.
Model series according to function classification and usage.

Oven & Furnace



Forced Convection



Forced Convection Oven
Program type

- Programmable temperature control.
- LCD color touch screen.

Temp. Range	Amb. +10 ~ 250°C
Chamber Volume	60L / 102L / 151L
Model	OF-P / OF-PW



Forced Convection Oven
General type

- Most representative forced convection type.
- Easy to use with computer connection.

Temp. Range	Amb. +10 ~ 250°C
Chamber Volume	60L / 102L / 151L
Model	OF-G / OF-GW



Forced Convection Oven
Economy type

- Stable product that is faithful to the basics.
- Includes safety device as standard.

Temp. Range	Amb. +10 ~ 220°C
Chamber Volume	52L / 100L / 150L
Model	OF-E



Forced Convection Oven
Large type

- Large capacity max. 760L as standard type.
- Max. 300°C temperature control.

Temp. Range	OF3, OF3-W, P, PW : Amb. +15 ~ 200°C OF3-H, HW, HP, HPW : Amb. +15 ~ 300°C
Chamber Volume	314L / 450L / 760L
Model	OF3/ OF3-W, P, PW, H, HP, HW, HPW (Large)

Forced Convection



Forced Convection Oven
2-Chambers type

- Independent temperature control for each chamber.
- Ventilation hole side of chamber.

Temp. Range	Amb. +10 ~ 200°C
Chamber Volume	120L (60L x 2 Chamber)
Model	OF-02G-2C



Forced Convection Oven
4-Chambers type

- Space saved chamber.
- Built-in casters for easy moving and installation.

Temp. Range	Amb. +10 ~ 200°C
Chamber Volume	240L (60L x 4 Chamber)
Model	OF-02G-4C

Natural Convection



Natural Convection Oven
General type

- Most representative natural convection type.
- Suitable for drying powder samples.

Temp. Range	Amb. +15 ~ 250°C
Chamber Volume	52L / 91L / 135L
Model	ON-G / ON-GW



Natural Convection Oven
Economy type

- Stable product that is faithful to the basics.
- Includes safety device as standard.

Temp. Range	Amb. +15 ~ 220°C
Chamber Volume	52L / 100L / 150L
Model	ON-E

Hybridization Oven



Hybridization Oven

- Rocker inside of chamber.
- Suitable for hybridization experiments with 10 programs & 10 steps program control.

Type	Forced Convection
Temp. Range	Amb. +5 ~ 65°C
Chamber Volume	10L
Model	HO

Vacuum Oven



Vacuum Oven **NEW**

- Product optimized for vacuum oven.
- Structure separating vacuum/release line.
- Available to save the data such as an event log and the setting values on USB.

Temp. Range	Amb. +15 ~ 250°C
Chamber Volume	28L / 65L
Model	OV4

Muffle Furnace



Muffle Furnace **NEW**

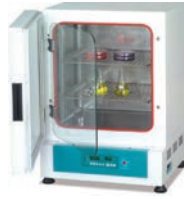
- Electric furnace for a high temperature experiment of 1100°C.
- Multiple safety devices for user and sample protection.
- Available to save the data such as an event log and the setting values on USB.

Temp. Range	Max.1100°C
Chamber Volume	3.0L / 4.5L / 12.0L
Model	MF2-GF / MF2-G

Incubator



Incubator



Incubator (Air-Jacket)

General type

- Versatile air-jacketed natural convection incubators.
- Glass door for contamination prevention.

Incubator (Film Heater)

Economy type

- Stable product that is faithful to the basics.
- Low noise with film heater-type incubator.

Incubator (Forced Convection)

Mini type

- Compact design.
- Simple control with touch button.

Type	Air-Jacket	Natural Convection	Forced Convection
Temp. Range	Amb. +5 ~ 70°C	Amb. +3 ~ 60°C	Amb. +5 ~ 65°C
Chamber Volume	60L / 102L / 151L	65L / 150L / 205L	10L
Model	IB-G	IB-E	IM

Incubator



Plant Growth Chamber



Incubator (Forced Convection)

2-chambers type

- 60L capacity for each chamber.
- Independent temperature control for each chamber.

Incubator (Forced Convection)

4-chambers type

- Independent temperature control for each chamber.
- Built-in casters for easy moving and installation.

Plant Growth Chamber

- Auto-tuning for temperature/humidity.
- Lighting provided by plant-friendly lamps.

Type	Forced Convection	Forced Convection	Temp. Range	5 ~ 50°C (10~50°C: Lamp on / 20 ~ 50°C: with humidity)	
Temp. Range	Amb. +5 ~ 70°C	Amb. +5 ~ 70°C	Illumination Range	0 to 20000 lux	0 to 35000 lux
Chamber Volume	120L (60L x 2)	240L (60L x 4 Chamber)	Chamber Volume	300L / 300L	1000L
Model	IB-02G-2C	IB-02G-4C	Model	GC-300TL / 300TLH	GC-1000TLH

Low Temperature Incubator



Low Temperature Incubator

General type

- Provides low temperature culture environment like BOD experiment.
- Internal power outlet included as standard for easy operation of small products.

Low Temperature Incubator

Air-Jacket type

- Minimizes medium getting dried by air-jacket type.
- Prevention of frost by automatic defrosting at all times.

Low Temperature Incubator

Personal type

- Low temperature control by using electronic cooling element (Peltier Module).
- Convenient use by minimized vibration and power consumption.

Low Temperature Incubator

Multi type

- 150L capacity for each chamber.
- Independent temperature control for each chamber.

Type	Forced Convection	Natural Convection (Air-Jacket)	Forced Convection	Forced Convection
Temp. Range	0 ~ 80°C	4 ~ 70°C	10 ~ 40°C (Amb. 25°C)	0 ~ 60°C
Chamber Volume	150L / 242L	156L / 254L	14L / 48L	300L (150L x 2) / 600L (150L x 4)
Model	IL3	IL3-A	ILP	IL-11-2C / IL-11-4C

Incubated Shaker



Incubated Shaker



Incubated Shaker

Tabletop type

- Optimized for use on bench top.
- Convenient internal observation.



Incubated Shaker

Stackable type

- Double-stacked for space saving.
- Includes internal power outlet, and 2ea shelves are provided as standard.



Incubated Shaker

Floor type

- Strong DD motor for large shaking capacity agitation.
- Large capacity up to 5ea x 6 L flasks at the same time.

Temp. Range	Amb. +5 ~ 80°C	Amb. -15 ~ 80°C (min. 15°C)	Amb. +5 ~ 80°C	Amb. -20 ~ 80°C (min. 4°C)	Amb. +5 ~ 80°C	R: Amb. -20 ~ 80°C
Max. Speed	20 ~ 500 rpm	20 ~ 500 rpm	20 ~ 500 rpm	20 ~ 500 rpm	30 ~ 300 / 500 rpm	30 ~ 300 / 500 rpm
Motion Type	Orbital	Orbital	Orbital	Orbital	Orbital	Orbital
Max. 250ml Flask	~ 20 ea	~ 20 ea	~ 24 ea	~ 24 ea	~ 39 ea	~ 39 ea
Model	IST	IST-R	ISS	ISS-R	ISF	ISF-R

Incubated Shaker

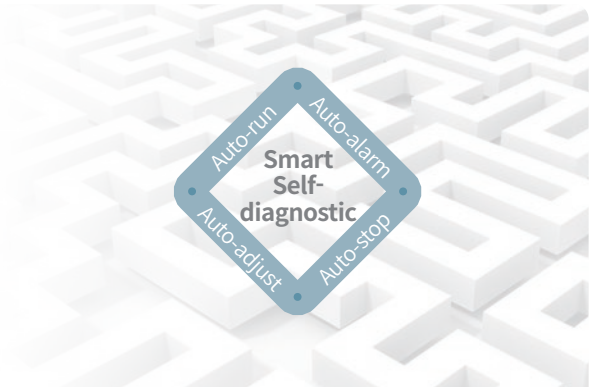


Incubated Shaker

Multi-stackable type

- Maximum triple-stacked for space saving.
- Strong DD motor for large-capacity.

Temp. Range	Amb. +10 ~ 80°C	Amb. -20 ~ 80°C (min. 4°C)
Max. Speed	30 ~ 300 / 400 rpm	30 ~ 300 / 400 rpm
Motion Type	Orbital	Orbital
Model	ISS	ISS-R



- Alarm is generated by monitoring difference between actual rpm/temperature and set rpm/temperature.
- Automatic rpm adjustment when device instability occurs. (high rpm, overload, weight imbalance, etc.)
- Detects abnormal conditions relating to the platform on which the sample is placed and stops the operation. (ISS/IST-3075,4075 model)
- Automatic restart as it was operated after power recovery.

Experience reliable precise temperature control up to 80°C.
Advanced temperature control system by Lab Companion's technology.

Shaker



Open Shaker



Shaker

Dual Action type

- Provides powerful shaking.
- Orbital/Reciprocal motion selection.



Shaker

General type

- Stable shaking even with high load samples.
- Structure prevents the sample from flowing into inside.



Shaker

Program type

- Program control mode.
- Mounts the large capacity of samples.



Shaker

Compact type

- Easy to use as a small shaker.
- It can be used inside of another chamber. (Amb. 2-60°C)

Motion Type	Orbital / Reciprocating			Orbital		Orbital	Orbital
Speed Range	20 ~ 500 rpm			30 ~ 500 rpm	30 ~ 300 rpm	30 ~ 500 rpm	50 ~ 300 rpm
Max. 250ml Flask Capacity	~8 ea	~14 ea	~24 ea	~39 ea	~39 ea	~51 ea (102 ea when using Dual Platform)	~9 ea
Model	OS-2000	OS-3000	OS-4000	OS-7100	OS-7200	SKC	CMS

Shaker



Microplate Shaker

- Suitable for sample mixing for microplates, tubes etc.
- Tube rack as optional accessory.



Rocking Shaker

- Easy to adjust angle of motion from 7° to 13°.
- Up to 99 hours timer function.



Waving Shaker

- Easy to adjust angle of motion from 0° to 13°.
- It can be used inside of another chamber. (Amb. 2-60°C)



Rotator

- Easily adjustable angle up to 90°.
- Large quantities sample could be mixed at once when loading 2-stage disk.

Motion Type	Orbital	Rocking	Waving	Rotating
Speed Range	150 ~ 1200 rpm	5 ~ 100 rpm	8 ~ 100 rpm	2 ~ 70 rpm
Capacity	Microplate x 4 ea	276 x 276 mm	276 x 276 mm	1.5ml Tube x 120 ea (when 2-stage disk loading)
Model	CPS	CRS	CWS	CRT

Funnel Shaker



Funnel Shaker

NEW

- Powerful up and down reciprocal motion.
- Adjustable shake tilt (0-20°) to achieve high mixing efficiency at low rpm.
- 4 holders are provided as basic, 10 holders can be mounted in max. (Depends on the funnel size.)

Motion Type	Vertical & Inclined reciprocating (0 ~ 20°)
Speed Range	Vertical 30 to 300rpm / Inclined 30 to 250rpm
Capacity	Separated Funnel 500ml x 6 ea in max.
Model	RS-2

Heating Shaker



Heating Shaker

- Rapid and accurate control of temperature.
- Optional block according to kinds of sample.

Temp. Range	Amb. +5-100°C
Motion Type	Orbital
Max. Speed Range	150 ~ 1500 rpm
Model	CBS

Hotplate & Magnetic Stirrer



Hotplate & Magnetic Stirrer



Hotplate & Magnetic Stirrer

Digital type

- Precise temperature control by external temperature sensor.
- Multiple overheating protection devices.



Hotplate & Magnetic Stirrer

Analog type

- Structure prevents the sample from flowing into inside.
- Fast stirring speed control with real time response.



Hotplate

Digital type

- Top plate coated with white ceramic for excellent corrosion resistance.
- Warning displayed when top plate is 50°C or more.

Max. Temp. Range	Top Plate, Max. 350°C	Top Plate, Max. 350°C	Top Plate, Max. 350°C
Max. Speed Range	30 ~ 2000 rpm	Max. 2000 rpm	-
Timer	Heating	<input type="radio"/>	<input type="radio"/>
	Stirring	<input type="radio"/>	-
Model	TS	TM	T

Magnetic Stirrer



Magnetic Stirrer

Digital type

- Maintains accurate speed with feedback control even when sample viscosity and amount change.
- Timer & Program operation function.



Magnetic Stirrer

Analog type-Round

- Quick control of stirring with real time response.
- Provides Silicon-based top plate cover.



Magnetic Stirrer

Analog type-Triangle

- Stable structure even with fast stirring.
- Polypropylene (PP) material with excellent chemical resistance.

Control Type	Digital	Analog	Analog
Speed Range	30 ~ 2000 rpm	150 ~ 2500 rpm	150 ~ 2500 rpm
Timer & Program	<input type="radio"/>	-	-
Model	MS-G	MS-B	MS-T

Multi Position Type



Magnetic Stirrer

Multi Position type

- 6 models provided with max. 15 positions.
- 4 kinds of stirring control mode. (All, Column, Row, Point)



Hotplate & Magnetic Stirrer

Multi Position type

- 4 kinds of stirring control mode and timer. (All, Column, Row, Point)
- 2 model provided with 9/15 potion.

Heating Block



Heating Block

for Round Bottom Flask & Vial

- Mounted on the hotplate, heating the samples in a round flask or vial safely.

Control Type	Digital	Digital	-
Temp. Range	-	Top Plate, Max. 120°C	Max. 300°C
Speed Range	30 ~ 2000 rpm	30 ~ 2000 rpm	-
Model	MS-M	MS-MH	RBP, RBI, VBP, VBI

※ Available volume for flask: 25ml-2L, for vial: 4ml-40ml.

Overhead Stirrer & Vortex Mixer



Overhead Stirrer



Specialized external controller

- Device is controlled conveniently apart from fume hood.
- Checking control status in real time and controls start/stop or stirring speed changes.
- Color LCD touch display for intuitive and easy control.



Overhead Stirrer

Prestige touch type

- BLDC motor and color LCD display.
- External controller and PC control for remote operation.

Display	LCD Touch	LCD Touch
Speed Range	50 ~ 1200 rpm	50 ~ 2000 rpm
Viscosity, Max. (cP)	30000 (~1200 rpm) 50000 (~700 rpm)	5000 (~2000 rpm) 50000 (~300 rpm)
Timer	<input type="checkbox"/>	<input type="checkbox"/>
Best Effort Mode	<input type="checkbox"/>	<input type="checkbox"/>
Model	MSH-0512	MSH-0520

Overhead Stirrer



Overhead Stirrer

High performance type

- Safety function for over temperature and overload protection.
- Convenient use through the computer interface.

Display	Digital
Speed Range	80 ~ 2000 rpm
Viscosity, Max. (cP)	5000 (~2000 rpm) 50000 (~200 rpm)
Timer	-
Best Effort Mode	<input type="checkbox"/>
Model	MSD

Overhead Stirrer

Easy control type

- Easy control model optimized for simple use.
- Safety function for over temperature and overload protection.

Display	Digital
Speed Range	80 ~ 2000 rpm
Viscosity, Max. (cP)	5000 (~2000 rpm) 50000 (~200 rpm)
Timer	-
Best Effort Mode	-
Model	MSA

Magnetic Drives

- Full sealing of reaction container.
- Cooling line as standard.

- Max. Torque: 6 kgf.cm
- Driving Pressure: 1 x 10⁴mmHg to 5 kg/cm²
- Driving Temp. (with Cooling): Max. 300°C

MD

Vortex Mixer



Vortex Mixer

- Convenient use with easily interchangeable accessories.
- Intuitive and convenient operation.

Motion Type	Orbital
Speed Range	Max. 3000 rpm
Operating Mode	Touch, Run
Model	VM-96T

Vortex Mixer

- Stable motion by its low-profile with small foot print.
- 3 operation mode according to use.

Motion Type	Orbital
Speed Range	Max. 3000 rpm
Operating Mode	Touch, Run-L, Run-H
Model	VM-96A

Life Science Equipment



Heating Block



Heating Block

- Precise temperature control which can be set in units of 0.1°C.
- Optional block depend on tube size.

- Temp. Range: Amb. + 5 ~ 130°C
- Uniformity at 80°C: ± 0.5°C

Model: CHB-S / CHB-T



Heating & Cooling Block

- Timer & program operation function.
- Precise and stable temperature control.

- Temp. Range: Amb. - 20 ~ 95°C
- Uniformity at 37°C: ± 0.5°C

Model: CCB



Heating Shaker

- Rapid and accurate control of temperature.
- Optional block depend on tube size.

- Temp. Range: Amb. + 5 ~ 100°C
- Orbital Type, Max. 1500 rpm

Model: CBS

Hybridization



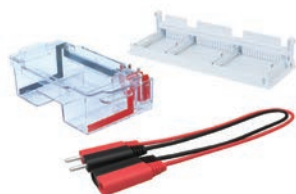
Hybridization Oven

- Rocker inside of chamber.
- Suitable for hybridization experiments with 10 programs & 10 steps program control.

- Temp. range: Amb. + 5 ~ 65°C
- Speed range: 5 ~ 50 rpm

Model: HO

Electrophoresis



Electrophoresis System

- Integral structure of transparent polycarbonate material.
- Excellent durability and convenient sample identification.

- Buffer capacity (L) : 0.5 / 1 / 1.8

Model: EP

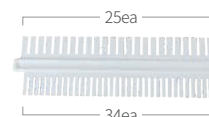
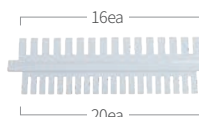
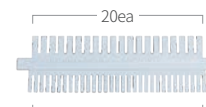
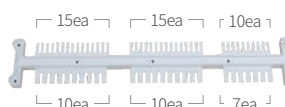


Power Supply

- Power supply for electrophoresis system.
- 4 of output terminal can be used simultaneously.
- Exact output by microprocessor.

- Output Range: 5~250V, 0.01~3A, Max. 300W
- Type of output: Constant Voltage, Constant Current

Model: EPS



A number of upper and lower well for Double-sided Comb of EP



PCR Workstation

- High-performance HEPA filter provides a clean environment.
- Suitable for sensitive experiment like PCR.
- Convenient shelf with pipette holder.

- 3 model provided according to size.
- UV timer function

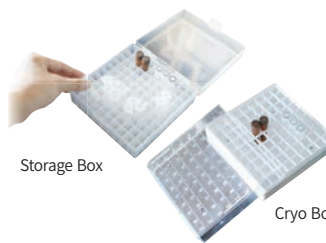
Model: PW



On-Ice Rack

- Aluminum with excellent thermal conductivity.
- Keeps temperature of the sample constant on ice.

- On-Ice Rack: Micro Tube (1.5 ml, 0.2 ml)
- On-Ice Rack (96W): 96-well Plate, Micro Tube (1.5 ml)



Storage Box

Cryo Box

Storage Box & Cryo Box

- Material without deformation at low temperature.
- No needs for any labeling when using.

- Storage Box (SRB-100): 1.2 ~ 2.0 ml, 100 ea
- Cryo Box (CRB): 3 models according to size : 1.2~2.0 ml (25 ea), 1.2~2.0 ml (81 ea), 5 ml (81 ea)

Autoclave & Others



Autoclave



Autoclave

- Convenient use with various operation mode for each usage.
- Sterilization process monitoring ensures reliable sterilization.

• Sterilization Temperature: 110 ~ 123°C
 • Melting Temperature: 60 ~ 100°C
 • Sterilization Pressure at 121°C: 1.1 ~ 1.2 kg/cm²
 • Volume: 50L / 65L / 85L / 105L

Model: ST

Pump



Electrical Aspirator

- Fast formation of low vacuum state via two aspirators.
- Use PP having good chemical-resistance for contact parts of organic solvent.

• Free-air Capacity: 18L / min x 2 ea
 • Max. Vacuum Range: 0.0998 Mpa
 • Motor Capacity: 150 W
 • Bath Volume: 9.5 L

Model: VE

Ultrasonic Cleaner



Ultrasonic Cleaner

- Strong cleaning power by high-energy BLT Type vibrator.
- Easy drain of cleansing solution through drain valve.

• Frequency: 40 kHz
 • Ultrasonic Power: Max. 500 W

Model: UCP / UCS

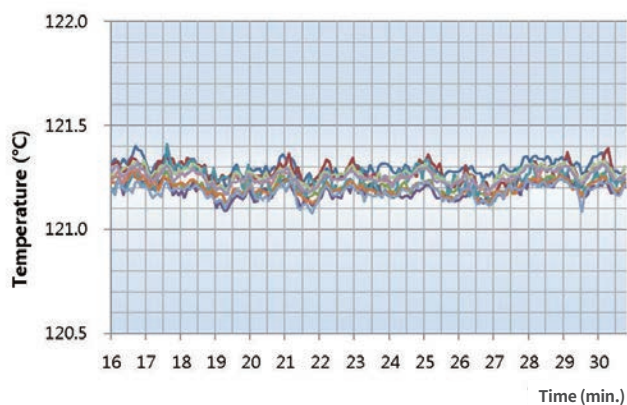


Rotary Vacuum Pump

- Oil vacuum pump for formation of high vacuum state.
- Prevents air reflux, essentially used with vacuum ovens to achieve a higher level of vacuum pressure

• Pump Speed: 100 / 200 / 400 / 600 L/min
 • Ultimate Pressure: 1.3 x 10⁻¹ / 6.7x10⁻² Pa

Model: W2V



Model: ST- 85G (measured with 10 of temperature sensors)

Aspiration



Filter Adapter

- It can be used between the filtering funnel and the filtering flask during vacuum filtration.
- Excellent sealing and adhesion with silicone material.

Hood & Clean Bench



Clean Bench



Clean Bench
Advanced type

- Convenient dual controller (outside and inside of chamber).
- Fully compliant with validation requirements.



Clean Bench
Basic type

- Pressure gauge at front as standard accessory.
- Easy replacement of HEPA filter.



PCR Workstation

- UV blocking about 99.9% with transparent polycarbonate material.
- Essential for sensitive experiment such as PCR.
- Convenient shelf with pipette holder.



UV Sterilization Cabinet

- Sterilization using UV lamp.
- Count-down timer.

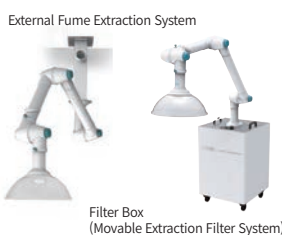
Filter	HEPA Filter	HEPA Filter	HEPA Filter	-
UV Lamp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Fluorescent Lamp	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Airflow	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	-
Model	BC-H	BC-B	PW	UVC

Fume Hood



Ductless Fume Hood

- Remove and circulate fume via built-in filter.
- No need duct. Convenient moving and installation.



External Fume Extraction System

Filter Box
(Movable Extraction Filter System)

Extraction Arm Hood

- Filter box type.
- Various hood and arms.
- Magnetic system for easy hood change. (Option.)



Molded Fume Hood

- Table top type with compact design.
- Easy use with connecting duct system.



Molded Observation Fume Hood

- Easy use with connecting duct system.
- Design by transparent windows at the front and the rear, making it easy to observe the experiment process from the both side.

Filter	Selectable Activated Carbon, Acid, Formaldehyde, Ammonia/Amines and HEPA Filter.	Selectable Activated Carbon, Acid, Formaldehyde, Ammonia/Amines and HEPA Filter.	Selectable Activated Carbon, Acid, Formaldehyde, Ammonia/Amines and HEPA Filter.(EM-33)	Selectable Activated Carbon, Acid, Formaldehyde, Ammonia/Amines and HEPA Filter.(EM-33)
Model	DLH	EFS-33 (Dual), EFS-33 (Single)	PMH-720 + EM-33	POH-720 + EM-33



Lab Companion's compose Hood and Clean Bench in optimized products protecting **experimenters, environments and samples.**

Safety Storage & Cabinet

 **JEIO TECH**
Fire Safety Storage Cabinet
EN 14470-1 Certified



Safety



Fire Safety Storage Cabinet

- Safe storage of flammable / combustible materials in the event of a surrounding fire.
- Designed according to the strictest European standards EN 14470-1
- Fire proof performance : 30 min / 60 min / 90 min



Acid Corrosive Cabinet

- Acid/Base reagents can be safely stored for a long period of time.
- Solid steel structure with corrosion-resistant interior finish.



Molded Acid Corrosive Cabinet

- Durable chemical resistant plastic storage cabinets for Acid/Base materials reagents.
- Easy use with connecting filter or fan modules.

Internal Volume	Stand (90min type) : 763L / 357L Stand (30min type) : 802L / 375L Under (90min type) : drawer-244L / 110L Under (60min type) : 89L / 76L Under (30min type) : 252L / 116L	Stand Type : 894L / 852L / 445L / 426L Under Type : 312L / 226L / 146L / 115L	122L Exterior Dimension : 720 x 472 x 535 mm
Model	SC3-F / SC2-F + EM-33 ※ Available to install Safety Waste Disposal System. (Option, p43)	SC-C + EM-33 ※ Available to install Safety Waste Disposal System. (Option, p43)	PCC-720

General



Multipurpose Cabinet Window

- Window door type for easy figures out stored samples.
- Drawer shelves with PP having good chemical -resistance, makes easy store.
- Fume extraction module & filters. (option)



Multiple Drawer Cabinet

- Solid design with steel body and 22 vertical shelves.
- Drawer-type shelf structure with sliding rails for convenient handling of stored materials located inside.

Model	DS-OW	DS-OR
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Functional



Filtering Storage Cabinet

- Filter installed inside, internal air circulation.
- Easy moving and installation, safety warning alarm.



Gas Cylinder Cabinet

- Safe protection from external shock.
- Convenient folding ramp structure for replacing heavy cylinders.

Feature	• Internal Volume: 604 L / 1317 L • Capacity (L or 1L Bottle): 140 / 280 • Optional Filter : HEPA Filter, Complex Carbon Filter (Aldehyde, acid and amines are available.)	Gas Cylinder Max. storage capacity (Ø230 mm) : 2 ea / 3 ea
Model	FSC	DS-GC

Desiccator



Desiccator



Desiccator

- Built-in hygrometer at front.
- Stackable structure for space saving.
- Drawer provided as standard for the convenient storage of small container.

Internal Volume	35L / 50L
Control Range	-
Model	SDC

※ Hygrometer deviation : 10%~20%

Vacuum Desiccator



Vacuum Desiccator

Cubic type

- Keep vacuum of 1 Torr for 72hours.
- Standard vacuum gauge at front.

Internal Volume	11L / 23L / 35L / 45L
Material	Body, Shelf: PC / Desiccant Tray, Latch: PP
Model	VDC, VDC-U

Vacuum Desiccator

Round type

- Durable one-mold design makes no leak.
- UV block models are available.

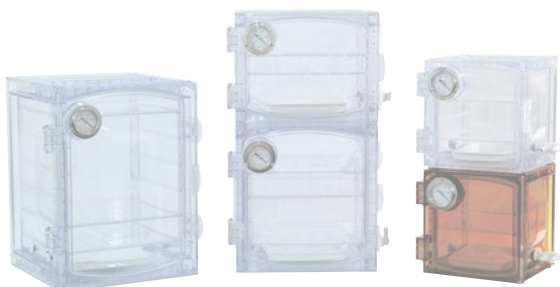
Internal Volume	6L / 10L / 20L
Material	Lid, Bottom: PC / Desiccant Tray, Locker: PP
Model	VDR, VDR-U

Vacuum Desiccator

Cylinder type

- Standard 3-way stopcock valve.
- Transparent for easy observation.

Internal Volume	16L / 25L
Material	Body, Bottom: PC / Locker: PP
Model	VDP, VDP-U



We have intensified the user convenience of Lab Companion Desiccator through configuring outstanding durability and various product lines considering purpose of use.

Refrigerator & Freezer for Laboratory/Medical



Laboratory Refrigerator

Laboratory Refrigerator

- Automatic defrosting function.
- Controller lock & built-in key lock system.
- Safety warning such as temperature deviation, door open and so on.
- 2 kinds of door type (glass/solid), various volume.
- Satisfied required condition of cold storage for pharmaceuticals stability.
- Voice alarm system (option)
- LC Connected system (option, only for CLG3 model)



Temp. Range	2 ~ 10°C
Internal Volume	74L / 156L / 303L / 603L / 805L / 1327L
Model	CLG / CLG3

Laboratory Freezer

Laboratory Freezer

- Excellent thermal insulation and sealing to make keep stable temperature.
- Dual defrost systems (automatic/manual).
- Controller lock & built-in key lock system.
- Safety warning such as temperature deviation, door open and so on.
- Simultaneously displays set temperature and actual temperature.



Temp. Range	-25 ~ -15°C	-35 ~ -25°C
Internal Volume	154L / 303L / 647L	154L / 303L / 647L
Model	FMG	FCG

Medical Refrigerator

Pharmaceutical Refrigerator

- Verified temperature variation by KS P 6108 and DIN 13221.
- Authorized for manufacturing medical devices. (No. 3333 registered by KFDA)
- Temperature Range: 2~10°C.
- Satisfied required condition of cold storage for pharmaceuticals should maintain $5 \pm 3^\circ\text{C}$ regardless of quantities of stored pharmacies.
- Voice alarm system. (option)
- LC Connected system. (option)

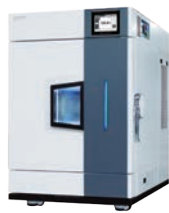
Chamber Volume	73L
Temp. Range	2 ~ 10°C (5°C set point)
Model	PSR3



Temperature & Humidity Chamber



Tabletop



Temperature & Humidity Chamber
Tabletop type

- Provides maximized performance in limited space.
- Suitable for development step of small samples.

Temperature Range	-40 ~ 150°C	-20 ~ 150°C	0 ~ 120°C
Humidity Range	20 ~ 95 %RH	20 ~ 95 %RH	30 ~ 95 %RH
Airflow type	Vertical airflow	Vertical airflow	Vertical airflow
Chamber Volume	25L / 65L / 100L		
Model	TH3-KE	TH3-ME	TH3-PE

Floor Standing



Temperature & Humidity Chamber
Ultra low temperature (-70°C) type

- Extended temperature range from -70 to 150°C.
- Stable temp and humid control up to 95%RH.

Temperature Range	-70 ~ 150°C
Humidity Range	25 ~ 95 %RH
Airflow type	Vertical airflow
Chamber Volume	189L / 302L / 408L
Model	TH-KH



Temperature & Humidity Chamber
Low temperature (-40°C) type

- Representative model with proven reliability.
- Minimized water consumption & maintenance.

Temperature Range	-40 ~ 150°C
Humidity Range	25 ~ 95 %RH
Airflow type	Vertical airflow
Chamber Volume	189L / 302L / 408L / 800L / 1000L / 1450L
Model	TH-G

Floor Standing



Temperature & Humidity Chamber
Low temp. & Low humid. (-40°C) type

- Stable controls for low temperature and humidity range.

Temperature Range	-40 ~ 150°C
Humidity Range	15 ~ 95 %RH
Airflow Type	Vertical airflow
Chamber Volume	189L / 302L / 408L
Model	TH-I



Temperature & Humidity Chamber
General (-5°C) type

- Stable temperature and humidity control for even during long-term continuous use over 1 year.
- Convenient internal observation with LED lamp and looking glass window.

Temperature Range	-5 ~ 100°C	-5 ~ 100°C
Humidity Range	10 ~ 95 %RH	25 ~ 95 %RH
Airflow type	Vertical airflow	Vertical airflow
Chamber Volume	180L / 314L / 419L	770L / 997L / 1540L
Model	TH-TG	



Temperature & Humidity Chamber
Dual type

- Space efficiency model that controls two upper and lower chambers individually.
- Provide optimized experiment environment with precise temp. & humid. controls.

Temperature Range	-5 ~ 100°C
Humidity Range	15 ~ 90 %RH
Airflow type	Vertical airflow
Chamber Volume	150L x 2 Chamber / 288L x 2 Chamber / 384L x 2 Chamber
Model	TH-DG

Floor Standing



Temperature & Humidity Chamber
Basic type

- Convenient operation with multifunctional 5.6 inch color touch controller.
- Possible to check the operation status with graphs.

Temperature Range	0~90 °C
Humidity Range	35~85%
Airflow Type	Vertical airflow
Chamber Volume	201L / 398L
Model	TH3-E

Pharmaceutical



Pharmaceutical Stability Test Chamber

- Satisfies ICH Guideline Q1A (R2) & Q1B (Option 2) Stability Test.
- Dedicated controller for light cumulative dose setting/control.

Temperature Range	-5 ~ 85°C
Humidity Range	20 ~ 85 %RH
Airflow type	Vertical airflow
Chamber Volume	300L / 760L
Model	TH-ICH

Walk-in Chamber

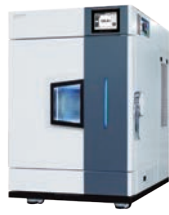
- Excellent thermal insulation and sealing to ensure reproducibility even for long-term use.
- Stable temp. & humid. controls with optimized inner air circulation.
- Durable door system.
- Convenience multiple safety system.



Heating & Cooling Chamber



Tabletop



Floor Standing



Heating & Cooling Chamber

Tabletop type

- Provides maximized performance in limited space.
- Suitable for development step of small samples.

Heating & Cooling Chamber

General type

- Suitable for temperature characteristic test of samples.
- Space-saving vertical structure of dual chamber model.

Heating & Cooling Chamber

Ultra low (-70°C) / Low temp.(-35°C) type

- Wide range from low to high temperature.
- Provided reliability specification of fluctuation and gradient.

Temperature Range	-40 ~ 150°C	-20 ~ 150°C	-20 ~ 100°C	0 ~ 100°C	-70 ~ 180°C	-35 ~ 180°C
Airflow Type	Vertical airflow	Vertical airflow	Horizontal airflow	Horizontal airflow	Horizontal airflow	Horizontal airflow
Chamber Volume	25L / 65L / 100L	25L / 65L / 100L	150L / 255L / 485L / 150 x 2 Chamber	150L / 255L / 485L / 150 x 2 Chamber	125L / 253L / 420L / 720L / 1000L	125L / 253L / 420L / 720L / 1000L
Model	TC3-KE	TC3-ME	LCH	LCH-G	KBD	KMV

Floor Standing



Heating & Cooling Chamber

Low temp.(-35°C) type

- Vertical airflow and temperature range from -35 to 180°C.
- Electronic over temperature protection system.

Heating & Cooling Chamber

Low temp.(-25°C) / Ambient temp.(-5°C) type

- Wide range from low to high temperature.
- Provided reliability specification of fluctuation and gradient.

Temperature Range	-35 ~ 180°C	-25 ~ 100°C	-5 ~ 100°C
Airflow Type	Vertical airflow	Horizontal airflow	Horizontal airflow
Chamber Volume	125L / 253L / 420L / 720L / 990L	125L / 250L / 400L / 700L / 1000L	
Model	JMV	PBV	PMV

Industrial Oven



Heating Chamber

- Verified 27 point fluctuation and gradient.
- Excellent insulation, sealing and durable structure.

Clean Oven

- Built-in class 100 HEPA filter-high temperature testing under clean conditions.

Temperature Range	Amb. + 45 ~ 250°C	Amb. + 45 ~ 350°C	Amb. +15 ~ 200°C	Amb. +15 ~ 300°C
Airflow Type	Horizontal airflow	Horizontal airflow	Vertical airflow	Vertical airflow
Chamber Volume	125L / 253L / 420L / 720L / 1000L	125L / 253L / 420L / 720L / 1000L	200L / 400L	200L / 400L
Model	LBV	LTV	OFC / OFC-P	OFC-H / OFC-HP

Lab Essentials

We research and provide a selection of lab essentials steadily suitable for the customer's experiment.



Wash Bottle

- Easily sprayed solution even when lightly pressed for convenience.
- Vapor pressure self-discharge structure inside the container eliminates the inconvenience of liquid flowing out.
- Double helical structure increases tightness of both container and cap.
- Replaceable nozzle tip for effective maintenance.
- Engraved markings for convenient capacity checking.
- 250ml / 500ml



Economical Beaker

- The unique triangular spout structure allows even highly viscous solutions to be poured precisely without any dripping.
- 50ml / 100ml / 250ml / 500ml



Plastic Beaker

- Transparent (PMP), Translucent (PP)
- 500ml / 1000ml / 2000ml



Carboy

- Excellent chemical resistance, suitable for storage and dispensing of various liquids.
- Leakless spigot even using for a long time.



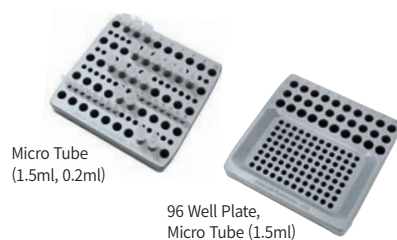
Tubing Connector

- Structure that makes a sturdy tube connection.
- Excellent chemical resistance due to PP material.
- Available up to 120°C.



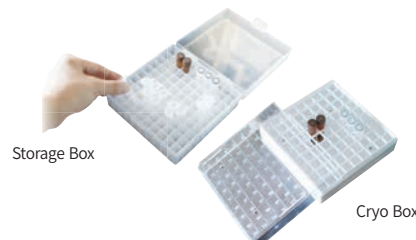
Handle Beaker

- Transparent (PMP), Translucent (PP)
- 500ml / 1000ml / 2000ml



On-Ice Rack

- Block made of aluminum with excellent thermal conductivity.
- Keeps the temperature of the sample constant when using on ice.



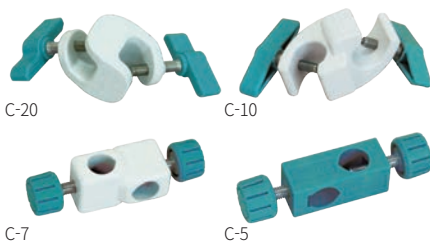
Handle Beaker

- No transform even at low temperature.
- No need labeling additionally.



Filter Adapter

- Can be used between the filtering funnel and the filtering flask during vacuum filtration.
- Excellent sealing and adhesion with silicone material.



Clamp Holders

- Clamp holders are ideal for use with overhead stirrers and hotplate stirrers.
- Adjustable to fit support rods up to 5/8 inch diameter.



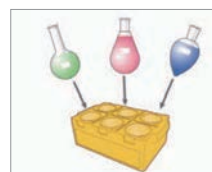
Tube Rack

- Available stored various sizes for centrifuge tube / Conical Tube / Micro Tube.
- PC material.



Flask Support

- Safe storage and handling of round flasks.
- Excellent chemical resistance and heat resistance. (-30 to 120°C)



Easy simultaneous handling of several flasks.



Using for multi-purpose.



Convenient movement with side handles.



Easy to distinguish samples by name tags and numbers.



Safety Waste Disposal System

- Easy to collect and store various chemicals and waste liquids generated in the lab.



Waste liquid level notification function.



It is possible to configure a container together with flammable cabinets.

※ Fire Safety Storage Cabinet (p 33)



Classified color label and lid color according to chemical properties.



Exclusive carbon filter (option)

Model	SF-14C	SF-14P	WT-20C	WT-20P
Description	Anti-static safety funnel	General use safety funnel	Anti-static liquid waste container	General-purpose liquid waste container
Volume	1L	1L	22L	22L



Laboratory Equipment

Bath & Circulator
Chiller (Recirculating Cooler)
Oven & Incubator
Shaker & Incubated Shaker
Stirrer & Mixer
Autoclave



Storage & Cabinet

Fire Safety Cabinet
Acid Corrosive Cabinet
Filtering Storage Cabinet
Gas Cylinder Cabinet
Multiple Drawer Cabinet
Desiccator



Hood & Clean bench

Clean Bench
PCR Workstation
UV Sterilization Cabinet
Ductless Fume Hood
Extraction Arm Hood



Refrigerator & Freezer

Laboratory Refrigerator & Freezer
Pharmaceutical Refrigerator



Environmental Reliability Test Chamber

Temperature & Humidity Chamber
Heating & Cooling Chamber
Heating Chamber, Industrial



Lab Essentials

Plastic Ware
Safety Product

Lab Companion Korea

Head office & factory

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