



## Refrigerator & Freezer for Laboratory/Medical

Improved reliability with strict international standard verification  
**Stable temperature control with excellent sealing and defrost control**

> **Stable temperature control and maintenance**

More precise and stable temperature control due to Lab Companion's exclusive controller.

> **Internal uniform temperature**

Optimized structural design for each model maintains uniform temperature inside.

> **Complete chamber structure**

Excellent thermal insulation and sealing to minimize heat loss for long-term use.

> **Clean use and maintenance**

Internal stainless steel material allows for clean maintenance and excellent corrosion resistance.

> **Satisfies the requirements for safe cold storage of pharmaceuticals**

Temperature fluctuation and variation meets the requirements of ICH Guideline Q1A(R2). (CLG model)

> **Licensed Pharmaceutical refrigerator as a Medical device (PSR3)**

Meet the standard for medicine storage. (KS P 6108) Uniform temperature even with stricter standards.

> **Application of defrost control technology of Lab Companion**

Automatic defrosting or dual refrigeration without the need for defrosting minimizes temperature changes.

> **Dew-free exterior**

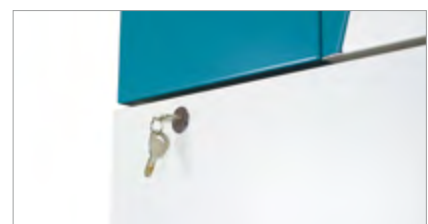
Provides a clean environment with a structure that does not form dew on the door and outer wall.



Solid steel drawer shelf. (option)



Drawer type of wire shelf with excellent permeability. (option)



Key lock door.



## Provides optimized selection for storage purpose Convenient safety features for safe storage

- > **Mobile monitoring system (CLG3, PSR3)**  
LC Connected system (option) to monitor the current status of the equipment through the mobile app and receipt of status messages.
- > **Door lock with key**  
Door structure with key lock as standard provides a safe storage environment.
- > **Convenient mobility and installation**  
Easy to move and install with casters. (except for 150 model)
- > **Convenient accessory selection supported**  
Selection of various accessories such as temperature recorder as well as various shelves according to storage type.
- > **Temperature deviation notification function**  
Warning when the actual temperature is out of a certain range of the set temperature. (High & Low Temperature)
- > **Lock function of controller**  
Lock function for preventing change of controller settings prevents erroneous operation due to arbitrary changing.
- > **Self-protection system**  
Door open alarm overcurrent protection and current leakage protection.
- > **Voice alarm system supported**  
Alarm system (option) that transmits voice messages to designated users when device malfunction occurs. (Included as standard only for PSR3.)

※ Some of the above contents are limited to specific models.



Intuitive checking of device operation information with large VFD.



Storing samples in a stable through a real-time temperature recording. (Included as standard only for PSR3, for the other models are optional.)



Mobile remote monitoring system. (option) (CLG3/PSR3 model)

# Laboratory Refrigerator

## Excellent structure to meet stringent international standard



### Structural Functional Features

- Stable temperature control with excellent insulation and sealing structure.
- Clean construction with no condensation on outer walls.
- Interior has excellent corrosion resistance as made of stainless steel.
- Magnetic packing door with smooth opening and closing.
- Casters for easy movement / installation. (except for 70, 150 model)
- Space-efficient configuration with double stackable. (only for 70, 150 model)
- Auto defrost function eliminates the need for separate defrosting.

### Use Convenience Features

- Stable control with Lab Companion's exclusive controller.
- Easy to use with clear VFD and touch key.
- Simultaneously displays set temperature and actual temperature.
- Calibration function minimizes temperature difference.
- Height-adjustable and strong shelf provided as standard.
- Built-in fluorescent lamps. (except for 150 model)
- Glass door model for easy storage status checking.
- Convenient connecting external devices through Ø50 mm cable port. (option) (except for 70,150 model)
- No need for drainage management with a drain evaporation system. (only CLG3)



Intuitive checking of device operation information with large VFD



Door key lock



## Outstanding Safety

- The 850 and 1400 model are equipped with two refrigeration systems to maintain temperature even in the event of a single refrigeration system failure.
- Temperature deviation notification. (High & Low Temperature)
- Malfunction prevented by controller lock function.
- Door lock with key as standard.
- Convenient history check through recording the recent event such as door open or power on/off. (only CLG3)
- Enhanced security with digital door lock. (only CLG3)
- Notification function when the door is open for a long time.



Drawer Shelf

## Satisfies the Requirements for Safe Cold Storage of Pharmaceuticals

- Temperature fluctuation and variation meets the requirements of ICH Guideline Q1A(R2).
- Stable temperature control for long-term operation.



Wire Shelf

## Accessories Provided for Convenient Use

- Monitor via mobile app anytime, anywhere with LC Connected. (mobile monitoring system) (when purchased LC GreenBox, Only CLG3-70)
- Voice alarm system transmits voice messages to designated phone if there is an abnormality in operation. (option)
- Convenient use with drawer type shelf. (option)
- Selection of various temperature recorders. (option) (Dot, Chart, Thermal Line)



Digital door lock (CLG3 model)

## Specification

Model	Solid door	-	CLG-150S	CLG-300S	CLG-650S	CLG-850S	CLG-1400S
	Glass door	CLG3-70	CLG-150G	CLG-300G	CLG-650G	CLG-850G	CLG-1400G
<b>Temperature range (°C / °F)</b>		2 to 10 / 35.6 to 50	2 to 10 / 35.6 to 50	2 to 10 / 35.6 to 50	2 to 10 / 35.6 to 50	2 to 10 / 35.6 to 50	2 to 10 / 35.6 to 50
<b>Chamber volume (L / cu ft)</b>		73 / 2.6	156 / 5.5	303 / 10.7	603 / 21.3	805 / 28.4	1327 / 46.9
<b>Dimension</b>							
Interior (W x D x H, mm / inch)		418 x 440 x 400 / 16.5 x 17.3 x 15.7	550 x 580 x 490 / 21.7 x 22.8 x 19.3	550 x 550 x 1000 / 21.7 x 21.7 x 39.4	650 x 640 x 1450 / 25.6 x 25.2 x 57.1	750 x 740 x 1450 / 29.5 x 29.1 x 57.1	1430 x 640 x 1450 / 56.3 x 25.2 x 57.1
Exterior (W x D x H, mm / inch)		522 x 600 x 725 / 20.6 x 23.6 x 28.5	683 x 791 x 870 / 26.9 x 31.1 x 34.3	670 x 770 x 1515 / 26.4 x 30.3 x 59.6	770 x 865 x 1965 / 30.3 x 34.1 x 77.4	870 x 965 x 1965 / 34.3 x 38 x 77.4	1550 x 865 x 1965 / 61 x 34.1 x 77.4
Net weight (Kg / lbs)		67 / 147.7	100 / 220.5	130 / 286.6	210 / 463	260 / 573.2	350 / 771.6
<b>Shelf</b>							
Quantity of wire shelf (standard/max.)		2 / 3	2 / 6	3 / 11	3 / 17	3 / 17	6 / 34
Quantity of wire shelf (slide) (max.)		3	4	7	11	11	22
Quantity of drawer shelf (slide) (max.)		2	3	5	8	8	16
Load per shelf (kg / lbs)		30	26	26	30	30	30
Fluorescent lamp		4.2W, 1ea	-	18W, 1ea	18W, 1ea	32W, 1ea	32W, 1ea
<b>Electrical requirements (230V, 50Hz, A)</b>		1.1	2	2.3	4	5	6
<b>Cat. No.</b>	<b>Solid door</b>	-	AAHE1002K	AAHE1012K	AAHE1022K	AAHE1032K	AAHE1042K
	<b>Glass door</b>	AAHE1302K	AAHE1102K	AAHE1112K	AAHE1122K	AAHE1132K	AAHE1142K
<b>Electrical requirements (230V, 60Hz, A)</b>		1.1	2	2.3	4	5	6
<b>Cat. No.</b>	<b>Solid door</b>	-	AAHE1001K	AAHE1011K	AAHE1021K	AAHE1031K	AAHE1041K
	<b>Glass door</b>	AAHE1301K	AAHE1101K	AAHE1111K	AAHE1121K	AAHE1131K	AAHE1141K
<b>Electrical requirements (120V, 60Hz, A)</b>		2.9	4	4.5	5	5.2	9.5
<b>Cat. No.</b>	<b>Solid door</b>	-	AAHE1003U	AAHE1013U	AAHE1023U	AAHE1033U	AAHE1043U
	<b>Glass door</b>	AAHE1303U	AAHE1103U	AAHE1113U	AAHE1123U	AAHE1133U	AAHE1143U

**Accessories** Page 246 Shelf, Drawer, Digital Drawer Lock, Recorder, Remote Alarm, Battery(Alarm), Stand with Caster, Electric Socket, LC GreenBox