

**Temperature range : 4 °C**

❖ 의료기 제조허가 품목번호 A34050(식약청고시)  
KFDA License Certified No.A34050



## Feature

### Precise Temperature Control System

Microprocessor PID controller ensures the most accurate temperature control and maintains cooled temperature during defrost cycle by unique designated technology

### PC Software System

RS-232C / 485 interface to LIS / HIS requirement with monitoring software is supplied

### Self-Diagnostic and Alarm System

- High / Low working room temperature Alarm
- Electric power failure Alarm
- Status of door opening warning Alarm
- Low battery for controller warning Alarm
- Operating temperature check in high and low
- Password locking system for set temperature

### Non-CFC/HCFC Refrigeration System

CFC/HCFC-free Hermetically sealed compressor and Natural Refrigerant gas are used for compliance with the New Environmental Regulation

### IQ-OQ Documentation & Validation

is provided on request as optional order

### High-density Polyurethane foam Insulation

With 60mm thickness Insulation provides excellent low temperature and maintains cool temperature for a long time in case of power failure

### Vacuum sealed Pair Glass Door

With embedded invisible heating film prevents viewing window from moisture condensation

### Automatic Defrost and Dehumidify System

Unique air flow circulation and defrost system provides high precision temperature uniformity and stability

### User Friendly Design

- Built-in Fluorescent lamp with ON/OFF switch and circulation fan stops while door is opening
- Door key Lock device and password lock for safety
- Drawer Shelf provides easy storage blood bags with triple sliding rail mechanical system

### Magnetic packing with adjustable tension Door

Magnetic packing with adjustable enforced tension door prevent cold temperature from any air leakage

### Pt-100Ω RTD Sensor is built-in liquid bottle

Provides the exact temperature control for blood bank

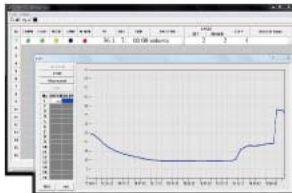
# Blood Bank Refrigerator

### Control System



- Compliance with International Medical standard and KFDA
- Audible / Visible Alarm System

### PC Software System



RS - 232/485 Interface  
Graphic monitoring for temperature on real-time

### Alarm System

- High / Low temperature alarm
- Electric power failure alarm
- Status of door opening warning alarm
- Low battery level warning alarm
- High and low temperature check alarm
- Password for set parameters protection
- Self-Diagnostic and alert system

### Equipped as Standard



7-days Chart Recorder




STS Drawer Shelf




Battery Back up System

### Optional Accessories



Digital Recorder



Polycarbonate  
Drawer Dividers

MODEL		LBB-102GR	LBB-103GR	LBB-104GR
Dimensions (W x D x H mm)	Inner	560 x 660 x 800	620 x 700 x 1410	1140 x 700 x 1410
	Outer	683 x 775 x 1490	740 x 805 x 1985	1260 x 805 x 1998
Capacity		295ℓ	612ℓ	1125ℓ
500ml Bags Capacity	Approx.	150 EA	300 EA	550 EA
Compressor	Non-CFC	1 / 4 HP	1 / 4 HP	1 / 2 HP
Defrost Heater		300 W	300 W	300 W
Stable temperature during defrost cycle				
Drawer Shelves		3 EA	6 EA	12 EA
Controller		Microprocessor Digital PID Controller with Battery back up system		
Display		4 Digit LED Display & LED signal lamps		
Temperature		4°C		
		Set Accuracy ± 0.1°C / Uniformity ± 1°C at 4°C		
Temperature Alarm		Set High limit & Low limit temperature, Audible and Visible Alarm		
Material	Interior	Stainless Steel 304		
	Exterior	Epoxy Powder Coated EGI steel		
Door		Vacuum Sealed Pair Glass Swing Door : Invisible heat film embedded, Key locker, Adjustable tension spring, Magnetic packing door		
Air Circulation		Turbo Fan with automatic stop / run during door open		
Safety		High / Low Temp. Protector, ELCB, Thermal Protector		
Electric Supply		110V 60Hz or 220/230V 50/60Hz		