Fast and rapid cool down up to -35℃

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

Fast and rapid cool down up to -35℃
High capacity refrigeration system provides rapid cooling time within 30 to 60 minute

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

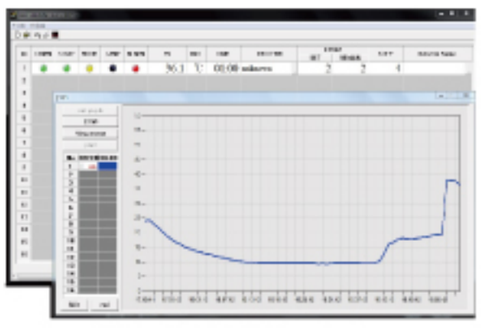
Custom made order is available
Specifications can be changed without prior notice for quality improvement.

Blood Plasma Freezer

Control System

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

PC Software System

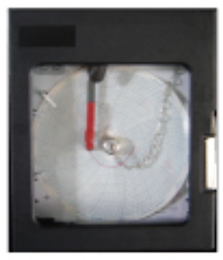


RS - 232/485 Interface
Graphic monitoring for temperature on real-time

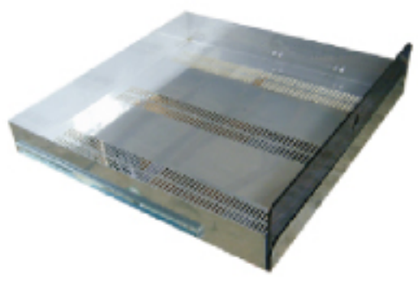
Alarm System

- 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-3010U	LBB-3015U	LBB-3020U	LBB-3025U
Refrigeration Type		Cascade Refrigeration System / Upright Type			
Dimension (W x D x H mm)	Inner	600 x 650 x 955	600 x 650 x 1275	750 x 655 x 1275	750 x 775 x 1275
	Outer	895 x 845 x 1660	895 x 845 x 1985	1045 x 845 x 1985	1045 x 965 x 1985
Capacity		369 ℓ	492 ℓ	615 ℓ	730 ℓ
Compressor		1 HP x 2ea	1 HP x 2ea	1.5 HP x 2ea	1.5 HP x 2ea
Controller		Microprocessor Digital PID Controller with Battery back up system			
Display		4 Digit LED Display & LED signal lamps			
Temperature		Up to -35℃ (Operation Temperature -30℃)			
Temperature Alarm		Set High limit & Low limit temperature, Audible and Visible Alarm			
Material	Interior	Stainless Steel 304			
	Exterior	Epoxy powder coated EGI steel			
Door		Solid Swing Door : Key locker, Adjustable tension spring, Magnetic packing door			
Air Circulation		Turbo Fan with automatic stop / run during door open			
Automatic Defrost System		Stable temperature during defrost cycle			
Safety		High / Low Temp. Protector, ELCB, Thermal Protector			
Electric Supply		110V 60Hz or 220/230V 50/60Hz			

Custom made order is available
Specifications can be changed without prior notice for quality improvement.