



## Performance

- Fully insulated chamber ensuring minimal chamber's temperature fluctuation.
- High thermal efficiency evaporation system, made of low corrosive materials.
- Auto-defrost system for automatic frost removal and manual defrost system for immediate frost removal.

## Convenience

- Intuitive and easy-to-operate control panel with VFD and touch-sensitive buttons.
  - Easy temperature unit conversion between °C and °F
- Air-tight door seal and lockable door latch enhances tightness to door closure.
- High-quality 304 grade stainless steel interior.
- Easy to store samples with smooth full-extension sliding drawers.
- Precise documentation is available by the provided chart type recorder.
- Clear observation of stored samples.
  - Tempered glass door with built in heating wire.
  - Energy efficiency, long life span LED lighting.

## Safety Features

- Dual temperature controllers for safe blood storage.
  - If one controller fails to adjust temperature, then the other automatically activates to counteract the failure.
- Battery backup for emergency caused by power failures.
- Built in auto-dialing remote alarm to alert abnormal temperature changes or power failures.
- High/low temperature protection, Over current protection.
- Open door alarm and automatic fan stop interlocked with door opening for minimization of heat loss.
- Keypad lock function, Built in door lock with a key.

Ideal for safe storage of precious blood samples.

Precise temperature uniformity with various safety functions to meet the strict requirements of the International medical standards. (ISO13485 / DIN 58371)



## BSR-300

**Standard accessories**  
see page 141

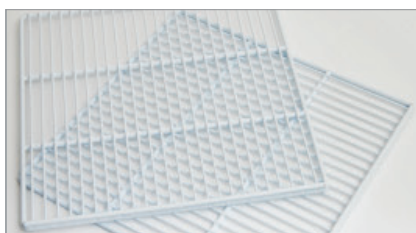
- Chart type recorder
- Auto dialing remote system
- Slide drawers, Door key

Model		BSR-300	BSR-650
Chamber volume (L / cu ft)		303 / 10.7	614 / 21.7
Temperature range (°C / °F)		4 / 39.2	
Refrigerator (Hp)		1/6	1/3
No. of drawer shelf, slide (standard / max.)		4 / 4	6 / 6
Max. load per shelf (kg / lbs)		26 / 57.3	30 / 66.1
Material	Interior	Stainless steel #304	
	Exterior	Steel, 1 mm, powder coating	
	Insulation	60mm, Polyurethane foam	
Dimension (WxDxH)	Interior (mm / inch)	550x550x1000 / 21.7x21.7x39.4	700x640x1370 / 27.6x25.2x53.9
	Exterior (mm / inch)	670x770x1515 / 26.4x30.3x59.6	820x860x1885 / 32.3x33.9x74.2
	Net weight (kg / lbs)	130 / 286.6	210 / 463
Electrical requirements (230V)		50/60Hz, 2.8A	50Hz, 3.8A      60Hz, 3.8A
Cat. No.		AAHE4105K	AAHE4112K      AAHE4111K
Electrical requirements (120V)		60Hz, 5.5A	60Hz, 7.5A
Cat. No.		AAHE4103U	AAHE4113K

※ Technical data according to DIN 58371.

※ FDA establishment registered company. FDA listed products.

# Accessories & Options



Wire shelves



Wire shelves (slide type)



Drawer shelves (slide type)



Dot recorder



Chart recorder



Thermal line recorder

## for Laboratory Cooling

Cat. No.	Description	CLG-150	CLG-300	CLG-650	CLG-850	CLG-1400
AAAE1511		•	•	-	-	-
AAAE1512	Wire shelves - flat type (included shelf bracket)	-	-	•	-	•
AAAE1513		-	-	-	•	-
AAAE1514		•	•	-	-	-
AAAE1515	Wire shelves - slide type (included guide rail)	-	-	•	-	•
AAAE1516		-	-	-	•	-
AAAE1517		•	•	-	-	-
AAAE1518	Drawer shelves - slide type (included guide rail)	-	-	•	-	•
AAAE1519		-	-	-	•	-
AAAE1562	Recorder set; Recorder (dot type, 6 point) with Temp. sensor	•	•	•	•	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•	•	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•	•	•	•
AAAE1563	Recorder set; Recorder (thermal line type) with Temp. sensor	•	•	•	•	•
AAAE1551	Auto dialing remote system	•	•	•	•	•
AAAE1521	Cable port	-	•	•	•	•
AAAE1531	Electric outlet (120V-US style)	-	•	•	•	•
AAAE1532	Electric outlet (230V-Korea style)	-	•	•	•	•

Cat. No.	Description	FHG-150 / FMG-150	FHG-300 / FMG-300	FHG-650 / FMG-650	FCG-150	FCG-300 / FDG-300	FCG-650 / FDG-650
AAAE1511		•	•	-	•	•	-
AAAE1512	Wire shelves - flat type (included shelf bracket)	-	-	•	-	-	•
AAAE1517		•	•	-	•	•	-
AAAE1518	Drawer shelves - slide type (included guide rail)	-	-	•	-	-	•
AAAE1562	Recorder set; Recorder (dot type, 6 point) with Temp. sensor	•	•	•	•	•	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•	•	•	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•	•	•	•	•
AAAE1563	Recorder set; Recorder (thermal line type) with Temp. sensor	•	•	•	•	•	•
AAAE1551	Auto dialing remote system	•	•	•	•	•	•

for Medical Cooling

Cat. No.	Description	BSR-300	BSR-650
AAAE1517	Drawer shelves - slide type (included guide rail)	•	-
AAAE1518		-	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•
AAAE1551	Auto dialing remote system	•	•

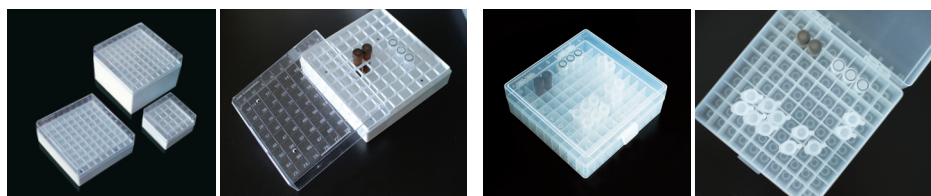
Cat. No.	Description	BSF-300	BSF-650
AAAE1517	Drawer shelves - slide type (included guide rail)	•	-
AAAE1518		-	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•
AAAE1551	Auto dialing remote system	•	•

Cat. No.	Description	PSR-300	PSR-650
AAAE1511	Wire shelves - flat type (included shelf bracket)	•	-
AAAE1512		-	•
AAAE1514	Wire shelves - slide type (included guide rail)	•	-
AAAE1515		-	•
AAAE1517	Drawer shelves - slide type (included guide rail)	•	-
AAAE1518		-	•
AAAE1501	Recorder set; Recorder (chart type, 6", 24hr / 7day) with Temp. sensor	•	•
AAAE1502	Chart recorder paper (6", 60ea/1 package)	•	•
AAAE1551	Auto dialing remote system	•	•

Cryo box / Storage box

Cryo box is designed for ultra-low temperature storage of biological materials. (heat resistance : -196°C to 121°C)

Storage box is suitable for storage of samples in general conditions. (heat resistance: 20°C to 121°C)



Cryo box

Storage box

Cat. No.	Description	Dimension (WxDxH) (mm / inch)
AAAJ7001	Cryo box (PC, 1.2 to 2.0ml tubes x 25)	77×77×53 / 3.0×3.0×2.1
AAAJ7002	Cryo box (PC, 1.2 to 2.0ml tubes x 81)	132×132×54 / 5.2×5.2×2.1
AAAJ7003	Cryo box (PC, 5ml tubes x 81)	132×132×96 / 5.2×5.2×3.8
AAAJ7011	Storage box (PP, 1.2 to 2.0ml tubes x 100)	140×140×53 / 5.5×5.5×2.1

※ 5ea for 1 set.