Specifications	MBR-305GR	MBR-704GR	MBR-1405G/GR	
Exterior dimensions (W x D x H)*1	600 x 680 x 1835 (mm) / 23.6 x 26.8 x 72.2 (inch)	770 x 830 x 1955 (mm) / 30.3 x 32.7 x 77.0 (inch)	1440 x 830 x 1950 (mm) / 56.7 x 32.7 x 76.8 (inch)	
Interior dimensions (W x D x H)	520 x 490 x 1150 (mm) / 20.5 x 19.3 x 45.3 (inch)	650 x 697 x 1500 (mm) / 25.6 x 27.4 x 59.1 (inch)	1320 x 710 x 1500 (mm) / 52.0 x 28.0 x 59.1 (inch)	
Net weight	147kg	210kg	276kg (G), 315kg (GR)	
Effective capacity	302 liters [10.7 cu.ft.]	617 liters [21.8 cu.ft.]	1301 liters [45.9 cu.ft.]	
Storage capacity	90 bags (450ml), with MBR-56B/120 bags (450ml), without baskets	360 bags (450mℓ), without baskets	720 bags (450ml), without baskets	
Exterior cabinet	Galvanised steel v	vith baked-on finish		
Interior cabinet	Galvanised steel with baked-on finish			
Cabinet insulation	Foamed-in-place rigid polyurethane			
Outer door	Insulated steel frame with double-layer glass windows			
Door lock	1	1	2	
Inner door (acrylic)	2	3	6	
Shelves	5 coated hard steel wire shelves	_	12 coated hard steel wire shelves	
Drawers	5 stainless steel roll-out drawers	6 stainless steel roll-out drawers	12 stainless steel roll-out drawers (GR)	
Casters		4		
Compressor	150 W hermetically sealed	220 W hermetically sealed	250 W hermetically sealed	
Refrigerant	HFC			
Temperature	$4^{\circ}\text{C} \pm 1.5^{\circ}\text{C}$ (Ambient temperature 35°C)	4°C ±1°C (Ambient temperature 35°C)	4°C ±1.5°C (Ambient temperature 35°C)	
Air circulation	Forced air circulation			
Defrost	Fully automatic			
Temprature control	Microprocessor control			
Temperature alarm	High (6°C), Low (2°C), Audible and visual alarm			
Power failure alarm	Audible and visual alarm (24 hours), Automatic rechargable battery (Ni-MH)			
Door alarm	Audible and visual alarm			
Part replacement notification	Fan morter, Battery	_	Fan morter, Battery	
Remote alarm contact	DC30V, 2A, Temperature alarm or power failure alarm			
Temperature monitor	2 bottles with thermistor sensor			
Lighting	15W fluorescent lamp	20W fluorescent lamp	40W fluorescent lamp	
Access port	1	2		
Accessories	1/7/30-day circular recorder, Door lock key			
Options	Recording paper (RP-G04-PW), Recording pen (PG-R-PW)			
	Data acquisition system (MTR-5000-PW/MTR-L03-PW or MTR-480-PW), Baskets (MBR-55B-PW, 56B-PW)	_	Data acquisition system (MTR-5000-PW/ MTR-L03-PW or MTR-480-PW)	

	MBR-107D(H)	MBR-506D(H)	
Exterior dimensions (W x D x H)*		800 x 832 x 1810 (mm) / 31.5 x 32.8 x 71.3 (inch)	
nterior dimensions (W x D x H)	320 x 350 x 710 (mm) / 12.6 x 13.8 x 28.0 (inch)	640 x 550 x 1240 (mm) / 25.2 x 21.7 x 48.8 (inch)	
Net weight	70kg	185kg	
Effective capacity	79 liters [2.8 cu.ft.]	425 liters [15.0 cu.ft.]	
Storage capacity	32 bags (450ml), with MBR-16B	120 bags (450ml), with MBR-56B	
Exterior cabinet	Galvanised steel with baked-on finish		
nterior cabinet	Stainless steel		
Cabinet insulation	Foamed-in-place rigid polyurethane		
Outer door	Triple layer glass windows		
Door lock	1		
nner door (acrylic)	2	5	
Shelves	3 zinc-plated steel wire and 1 stainless steel	5 coated hard steel wire shelves	
Casters	_	4	
Compressor	110 W hermetically sealed	160 W hermetically sealed	
Refrigerant	HFC		
Temperature	4°C ±1°C (Ambient temperature 35°C)		
Air circulation	Forced air circulation		
Defrost	Fully automatic		
Temprature control	Microprocessor		
Temperature alarm	High (6°C), Low (2°C), Audible and visual alarm		
Power failure alarm	Audible and visual alarm (9 hours), Automatic rechargable battely (Ni-Cd)		
Door alarm	Visual alarm		
Remote alarm contact	DC30V, 1A	DC24V, 1A	
	Temperature alarm or power failure alarm		
Lighting	6 W fluorescent lamp	15 W fluorescent lamp	
Access port	1		
Accessories	,	Door lock key 1 set	
Options	Recording paper (RP-06-PW)		
	Basket (MBR-15B-PW) Max.8pcs/unit	Basket (MBR-55B-PW) Max.20pcs/unit	
	220ml bags x 7pcs/basket	220ml bags x 10pcs/basket	

Voltage specification by destination

	Model No.	Representative destination	Power supply
MBR-305GR	MBR-305GR-PE	Europe	230V, 50Hz (CE)
	MBR-305GR-PK	Korea	220V, 60Hz
MBR-704GR	MBR-704GR-PE	Europe	230V, 50Hz (CE)
	MBR-704GR-PK	Korea	220V, 60Hz
MBR-1405GR	MBR-1405GR-PE	Europe	230V, 50Hz (CE)
MBR-107D(H)	MBR-107DH-PE	Europe	230V, 50Hz (CE)
	MBR-107DH-PK	Korea	220V, 60Hz
MBR-506D(H)	MBR-506DH-PE	Europe	230V, 50Hz (CE)

Caution: Panasonic guarantees the product under certain warranty conditions. Panasonic in no way shall be responsible for any loss of content or damage to content

Appearance and specifications are subject to change without notice.
*1 Exterior dimensions of main cabinet only - see dimension drawings showing handles and other external projections.



Panasonic Healthcare Co., Ltd., Biomedical Business Unit is certified for:

Quality management system: ISO9001 Medical devices quality management system: ISO13485







Panasonic Healthcare Co., Ltd., Biomedical Business Unit is certified for:

Environmental management system: ISO14001

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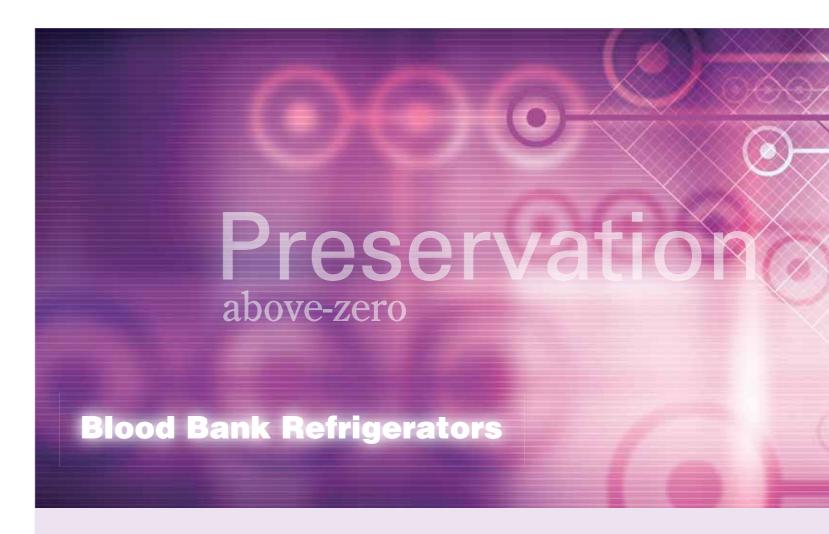
Panasonic

http://panasonic.net/healthcare/biomedical/

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Blood Bank Refrigerators



Specially designed to provide precise and reliable temperature control that meets various criteria for whole blood and blood derivatives.





MBR-107D(H) MBR-506D(H)

The Panasonic MBR Series provides two styles of storage systems: G-type (coated hard steel wire shelf) and GR-type (stainless steel roll-out drawers with card holder).

Designed to conform to AABB criteria, the series ensures stable and reliable temperature control utilizing Panasonic original technology. A special highly efficient compressor designed and developed by Panasonic provides rapid cooling and quiet performance for each model.

Stable Temperature Control

- Temperature is controlled by two sensors located in the liquid-loaded monitor bottles, which are in the shape of a blood baa.
- Two thermistor sensors constantly monitor the temperature in both the upper and the lower part of chamber.
- Microprocessor control ensures the most accurate temperature control available
- Multi air-flow plenum system ensures excellent temperature uniformity in larger capacity models. (MBR-704GR, MBR-1405G/GR)
- Temperature-maintained defrost designed with thermal sensors and heaters on the evaporator, all under precise microprocessor control.

Temperature Variations Prevented

The Panasonic MBR Series is designed to minimize cold air loss even with frequent door openings

- Separated transparent inner doors minimize the chamber air leakage during door openings.
- Foamed-in-place insulation in the walls and magnetic sealed outer doors with double-pane glass window prevent chamber air leakage and promote complete door closings.
- Large air circulation fan enables rapid temperature recovery after door openings. (Double fan for MBR-1405G/GR.)

User-Friendly Design

- Selectable storage system (G-type and GR-type) to suit user's needs.
- Fluorescent interior lamp with ON/OFF switch and a large view window in the outer door provide a clear view of stored
- Digital display is easy to see, and is calibratable through the control panel.



Easy-access front control pane (MBR-305GR, 1405G/GR)

• Filterless construction eliminates bothersome filter cleaning. (MBR-305GR)



MBR-305GR

Effective capacity

(10.7 cu.ft.)

4℃ ±1.5℃

120 bags

MBR-704GR

4°C ±1°C

Effective capacity (21.8 cu.ft.)

360 bags

Alarm and Safety Functions

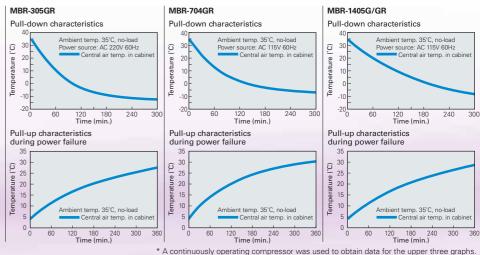
To ensure the safety of precious blood supply, the Panasonic MBR Series provides the following safety functions:

- Audible and flashing LED visual alarms with remote alarm contacts, in case of power failure, high or low temperature condition, or any thermal sensor abnormality.
- Door alarm and key lock are standard features.
- Re-activating buzzer, lamp and remote alarm contact. (30 min. after buzzer stops)
- Built-in temperature recorder.

Environmentally Friendly

Panasonic refrigerators feature commerciallyavailable HCFC-free, HFC refrigerants and HCFC-free insulation.

Performance Data (Reference Data)





4°C ±1.5°C

720 bags

MBR-1405G/GR

Effective capacity

(45.9 cu.ft.)

DESERBE MBR-107D(H) MBR-506D(H)

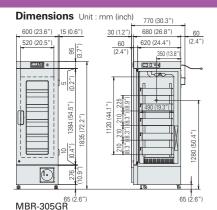
MBR-107D(H) MBR-506D(H) 4°C ±1°C

Effective capacity

(2.8 cu.ft.) MBR-107D(H)

(15.0 cu.ft.) MBR-506D(H) 450ml blood bag (with basis

120 bags/

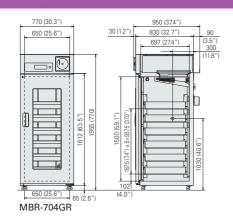


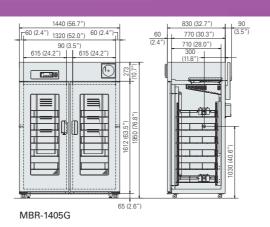
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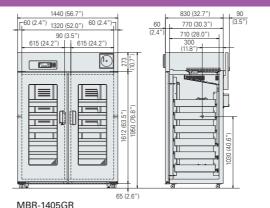
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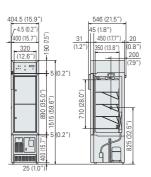
models 305GR, 704GR and 1405G/GR

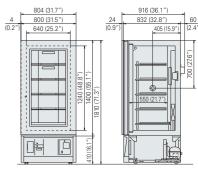
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MBR-107D(H) MBR-506D(H)