

# Preservation

sub-zero

## Biomedical Freezers

Panasonic Biomedical Freezers offer the outstanding reliability and performance required in a wide variety of storage and research applications.



MDF-U443

# Upright type

Powerful fan ensures temperature uniformity throughout the freezer cabinet. Forced air circulation & auto defrost

- High freezing power increases temperature uniformity
- Auto defrost for easy maintenance



Effective capacity:  
**MDF-U443 426 liters**  
 (15.0 cu.ft.)

## Safety Features

- Alarm & Recording System
- High/low temperature alarm
- Power failure alarm
- Remote alarm contact
- Self diagnostics function. Should an abnormality be picked up, an error code will be displayed in red figures.
- Breaker switch turns power off in event of over current abnormality.
- Balance hinges keep the lid open in any position to make this chest freezer easier to use. This means you have both hands free to work. (chest type)



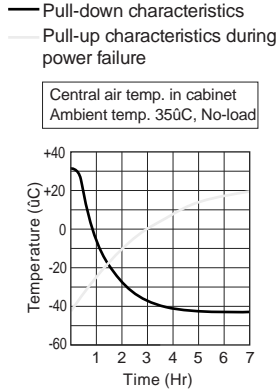
position to make this chest freezer easier to use. This means you have both hands free to work. (chest type)

Model No.	MDF-U443
Interior dimensions (W x D x H)	640 x 615 x 1090 (mm) 25.2 x 24.2 x 42.9 (inch)
Cooling performance	-40°C (AT: 35°C, no load)
Baskets	Ñ
Compressor	Hermetic, 400W/750W
Alarm system	¥ High/low temperature alarm (SV ±5°C to ±20°C adjustable) ¥ Power failure ¥ Filter clogging ¥ Remote alarm contact ¥ Battery/fanmotor replacement notification
Options	Temperature recorder (MTR-85H-PV, MTR-4015LH-PE), Panasonic DAQ system

Panasonic Healthcare Co., Ltd., Gunma Factory is certified for:  
 Quality management system: ISO9001  
 Medical devices quality management system: ISO13485

Panasonic's MDF Series Biomedical Freezers offer the outstanding reliability and performance required in a variety of storage and research applications. In the medical field, they provide effective storage of life-saving and frozen blood supplies and vaccines, as well as sample diagnosis. In the biotechnology field, they provide effective storage of enzymes for genetic research, as well as culture media, reagents and samples for testing. In the industrial field, they are ideal for aging and temperature tests on electronic components, precision devices, and compound resins. As a storage environment, with excellent safety features, easy operability, and a host of other features, these freezers offer unsurpassed reliability and durability. If you are looking for precision temperature controlled storage equipment, look to Panasonic.

## Performance Data



- Secure lock safeguards the contents of the freezer and keeps hazardous items out of harm's way.

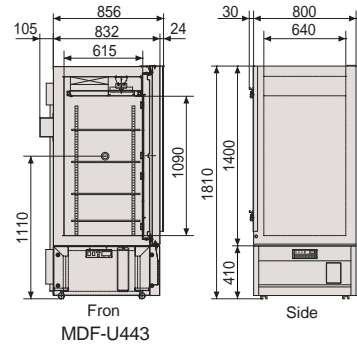


Newly designed lid lock (chest type, except MDF-436).

- Door latch can accommodate a pad lock for added protection of valuable samples. (upright type)
- Part replacement notification



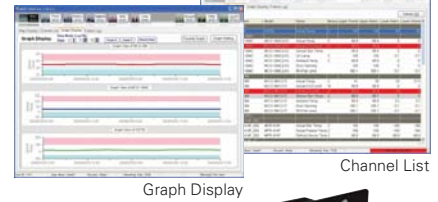
## Dimensions



## Temperature Monitoring Features (optional)

Panasonic Data Acquisition (DAQ) System enables remote monitoring of Panasonic biomedical freezers.

Panasonic Data Acquisition Software  
 MTR-5000-PW



Ethernet (LAN) Interface  
 MTR-L03-PW



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Panasonic Healthcare Co., Ltd., Gunma Factory is certified for:  
 Environmental management system: ISO14001