

Plasma Freezer

MDF-U5412



Temperature

(Ambient temperature 30°C)

-40°c

Effective capacity

482 liters/17.0 cu.ft.

280pcs

300ml frozen plasma bag

Biomedical Freezer for reliable preservation of blood plasma and other biologics

- High freezing power
- Stable & Uniform temperature design
- Ideal freezing environment for biologicals
- Alarm and safety devices

Panasonic MDF-U5412 provides an ideal freezing environment for preservation of blood plasma, vaccines, test samples, and other biological specimens.

Stable & Uniform Temperature Design

- Double outer doors
- Full-height storage containers on each shelf
- Cooling tubes under every shelf
- Direct cooling system for stable temperature control
- Fine-controllable refrigeration circuit with valve

Large Storage Capacity

• 300ml FFP* bag x 280 pieces. *Fresh Frozen Plasma

User Friendly Design

- Built-in door latch for each door
- Easy calibration through the control panel

Visual and Audible Alarm System

- High & Low temperature alarm
- Power failure alarm with non-volatile memory back up
- Self-diagnostic system

Safety Function

- Remote alarm contact
- Re-activating buzzer, lamp and remote alarm contact (30min. after buzzer stops)
- Standard door lock and independent padlock hasp door latches for extra security
- Remote monitoring by Data acquisition system (Option)
- 1/7/30 days circular recorder (Option)

Environment friendly

• HCFC-Free refrigerant and insulation

MDF-U5412
804 x 772 x 1802 (mm) / 31.7 x 30.4 x 71.0 (inch)
658 x 607 x 1272 (mm) / 25.9 x 23.9 x 50.1 (inch)
131kg (288.8 lbs.)
482 liters (17.0 cu.ft.)
Galvanised steel with baked-on finish
Rigid polyurethane foamed-in place
2, Insulated and magnetic sealed
1 door lock, 2 lockable door latches for each door
6 pcs. (Upper room), 4 pcs. (Lower room)
4
2
400 W Rotary type sealed
HFC refrigerant
−20°C to −40°C (Ambient temperature 5°C to 30°C)
−18°C to −45°C
Direct cooling
Microprocessor control
High/Low (±5°C to ±15°C, adjustable)
Buzzer and lamp (Automatic rechargeable battery), Memory back up
Allowable contact capacity: DC30V, 2A, Temperature alarm or power failure alarm
ø30, Rear side
Door lock key, Defrost spatula, Storage containers

Options

Data acquisition software (MTR-5000-PW) Interface board (MTR-L03-PW, MTR-480-PW)

Strip chart recorder (MTR-4015LH-PE)

Recorder fixing (MPR-S30-PW), Recording paper (RP-40-PW)

Circular chart recorder (MTR-G85C-PE)

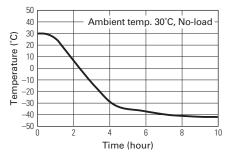
Recorder mounting kit (MPR-S7-PW), Recording paper (RP-G85-PW), Recording pen (PG-R-PW)

Voltage specification by destination			Model No.
Representative destination	Europe	230V, 50Hz (CE)	MDF-U5412-PE
	Korea	220V, 60Hz	MDF-U5412-PK
	Thailand	220V, 50Hz	MDF-U5412-PB

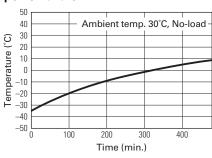
Caution: Panasonic guarantees the product under certain warranty conditions. Panasonic in no way shall be responsible for any loss of

Performance Data

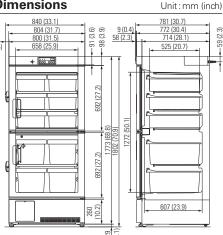
Pull-down characteristics



Pull-up characteristics during power failure



Dimensions





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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Appearance and specifications are subject to change without notice.