



MDF-U334-PA

Biomedical Freezers

-30°C Upright Freezers

Optimum Storage Capabilities

Panasonic MDF series biomedical freezers are designed for long or intermediate-term storage at temperatures as low as -30°C.

Catered Design & High-Performance

Constructed with high-performance laboratory and clinical-grade refrigeration systems, these freezers are used in clinical, biotechnology, and industrial labs. These are ideal for storage of biologics, enzymes, culture media, reagents, and specimens.

High Performance



Security



Optimum Footprint

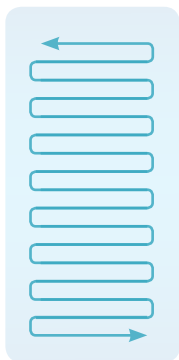


9.7 cu.ft. (274 L)



Uniformity

Uniform temperatures are maintained throughout the chamber using shelf freezing construction.



Temperature Range
-20°C to -30°C



Microprocessor Controls

Comprehensive **setpoint, alarm, monitoring,** and **diagnostic functions** are maintained by Panasonic-built microprocessor controller with digital display of all input/output function.



• Defrost Key

• Digital display of temperature





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Panasonic refrigeration systems assure stable and uniform temperatures for precise vaccine, enzyme, and biologics storage.

Panasonic-Designed Refrigeration

Panasonic designed compressors are specifically used for storage applications in a laboratory environment.



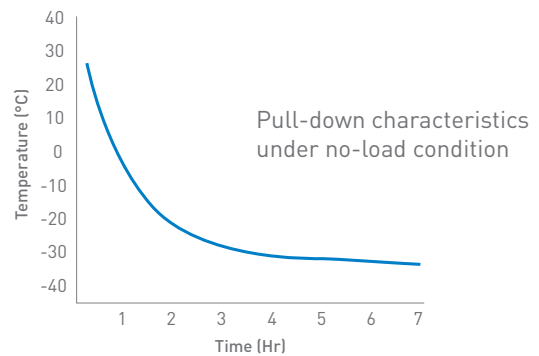
Standard keyed door lock and integrated padlock hasp (padlock optional)

Safety Features:

- Alarm and Recording System
- High/low temperature alarm ($\pm 5^{\circ}\text{C}$ to $\pm 15^{\circ}\text{C}$, adjustable)
- Power failure alarm
- Remote alarm contact
- Self diagnostics error message to direct you to the problem
- Balance hinge door stops at any angle from 35° to 90° for convenience and safety
- Optional LabAlert™ wireless Cloud/App based monitoring system available

High Performance Operation

Since there is no defrost cycle, the inner chamber temperature offers outstanding uniformity and stability without temperature spikes. Panasonic's freezing coils in the shelf provide exceptional temperature recovery due to the expanded surface area offered by the shelf freezing design.



MODEL	MDF-U334-PA		
ACCESS PORT	Inner Diameter: 1.18" [30 mm], left side	NET WEIGHT	179 lbs. (81 kg)
ALARMS	High/low temperature, power failure, remote alarm terminal	POWER REQUIREMENTS	AC 110-115 V, 60 Hz
BTU OUTPUT	478 BTU/Hour	REFRIGERANTS	R-134a
COMPRESSOR	Hermetic type, 200 W	SECURITY	Key lock function
CONSTRUCTION	Interior: Styrol Resin; Exterior: Painted Steel	SHELVES (W X D)	18.9" x 13.7" 480 x 347 mm
COOLING PERFORMANCE	-30°C (Ambient temperature 35°C, no load)	TEMPERATURE CONTROL RANGE	-30°C to -20°C, with memory backup
EXTERIOR DIMENSIONS (W X D X H)	24.2" x 27.9" x 63.8" 614 x 709 x 1620 mm	TEMPERATURE SENSOR	Thermistor
INSULATION	Rigid polyurethane foam	TEMPERATURE SET POINT RANGE	-35°C to -18°C
INTERIOR DIMENSIONS (W X D X H)	19.3" x 19.1" x 50.8" 490 x 486 x 1290 mm	VOLUME	9.7 cu.ft. (274 liters)