ABS American BioTech Supply

Ultra-Low Temperature Freezers

AMERICAN-MADE COLD,
BUILT TO PERFORM

AMERICAN BIOTECH SUPPLY

Ultra-Low Temperature Freezers

Engineered for uncompromising reliability, Ultra-Low Temperature Freezers by American Biotech Supply provide industry-leading temperature stability, energy efficiency, and advanced security to safeguard your critical samples.

Precision. Performance. Protection

American Biotech Supply Ultra-Low Temperature (ULT) Freezers are designed to maintain ultra-low temperatures down to -86°C, providing stability and reliability for critical storage needs. Our energy-efficient compressors, reinforced shelving, and superior door insulation work together to minimize temperature fluctuations, ensuring long-term preservation of your valuable samples.

Built for research, healthcare, and industrial applications, these Ultra-Low Temperature Freezers deliver intuitive functionality and uncompromising reliability in a range of sizes and configurations. Designed with sustainability in mind, our freezers utilize eco-friendly hydrocarbon (HC) refrigerants, reducing environmental impact while maintaining exceptional cooling performance and energy efficiency.

INDUSTRY LEADING Warranty

5-year parts and labor warranty plus a 7-year compressor warranty.

ENERGY-EFFICIENT Design

Engineered for sustainability without sacrificing performance.

RELIABLE, LONG-TERM Performance

Built to withstand the demands of continuous use.

PROUDLY MADE in the USA

Manufactured with superior craftsmanship and quality control.

INTUITIVE
Touch Screen Technology

Advanced Data Logging & Real-Time Monitoring
- Logs data every 5, 10, or 15 minutes, downloadable in .csv or .pdf formats.
- Tracks all alarms with date and time stamps.
- Displays real-time temperature trends.
- Pinch zoom and scroll for in-depth data analysis.
- Supports dual temperature probes for zone comparison and alarm thresholds.

Customizable Alarms & Notifications
- High/low-temperature, power loss, and door ajar alerts.
- Adjustable alarm delays and customizable sound settings.
- Visual alerts remain active until resolved, ensuring full accountability.
- Silence function keeps alarms visible while muting sound.

Precision Controls & Security
- Adjustable temperature setpoints with 0.1°C resolution.
- Energy-saving dim mode and screen brightness controls.
- Secure password/PIN login with three access levels.
- Automatic logout after inactivity and battery reset reminders.

KEY Features

Triple Seal Gasket
Ensures an airtight seal to minimize temperature fluctuations and maximize energy efficiency.

Steel Double-Insulated Inner Doors
Reduces cold air loss when accessing samples, maintaining ultra-low temperatures.

Ergonomic Door Handle with Lock
Easy-to-use handle with built-in security features for controlled access.

Easy Access for Filter Changing
Simplifies maintenance to keep the freezer operating at peak efficiency.

Energy-Efficient Performance
High-efficiency compressors and insulated inner doors for reduced energy use.

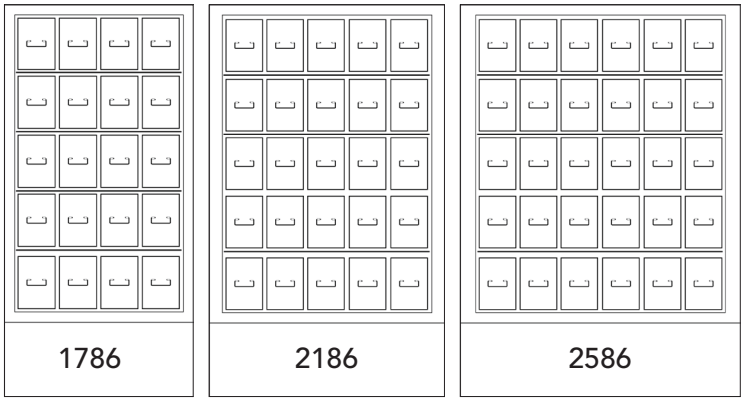
ABS

PRODUCT
Specifications

Part No.	Cu. Ft.	Description	Exterior Dimensions
ABT-HC-1786-TS	17 Ft^3	Manual Defrost Freezer, Five Inner Compartments, Dual Voltage Ready with 115V and 230V cords	37.6"W x 36.3"D x 79.6"H
ABT-HC-2186-TS	21 Ft^3	Manual Defrost Freezer, Five Inner Compartments, Dual Voltage Ready with 115V and 230V cords	43.3"W x 36.3"D x 79.6"H
ABT-HC-2586-TS	25 Ft^3	Manual Defrost Freezer, Five Inner Compartments, Dual Voltage Ready with 115V and 230V cords	49"W x 36.3"D x 79.6"H

INVENTORY RACK
Capacity & Dimensions

	ABT-HC-1786-TS	ABT-HC-2186-TS	ABT-HC-2586-TS
Racks per Shelf	4	5	6
Racks per Freezer	20	25	30
2" Box Capacity	320	400	480
3" Box Capacity	240	300	360



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www.americanbiotechsupply.com

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