






# Ultra Low Temperature Lab Freezer

Cat. No. Q5126

## KEY FEATURES

-  Touchscreen Temperature Controls
-  Medical-grade Stainless Steel Structure
-  Energy Efficient and Environmentally Friendly Design

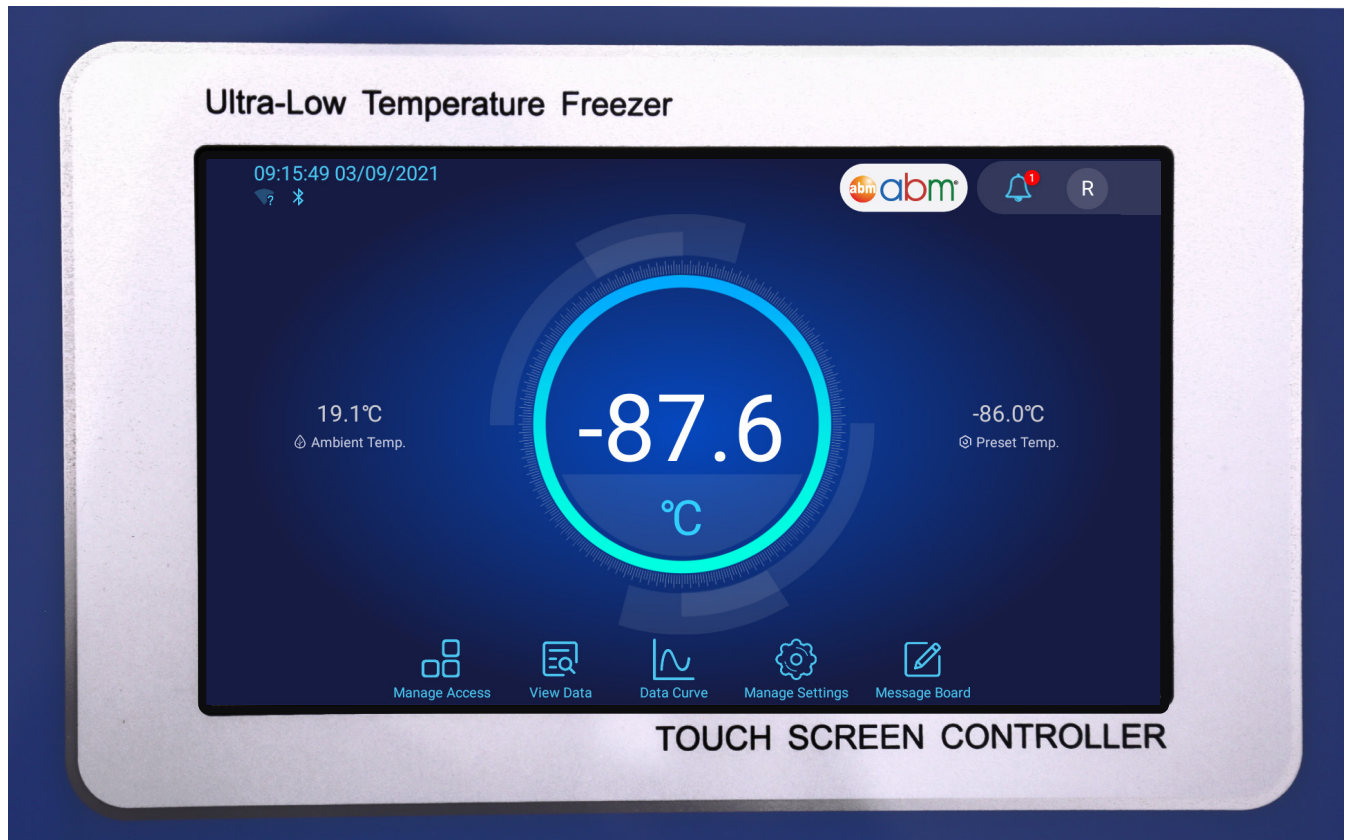


## PRODUCT INTRODUCTION

abm's -86°C Ultra Low Temperature Lab Freezers are designed for the preservation and protective storage of temperature sensitive materials, including: red and white blood cells, skin, DNA/RNA, bone, bacteria, semen, biomedical products, oceanic products, and more.

Engineered for energy efficiency, durability, and reliability, our Ultra Low Temperature Lab Freezers ensure you can store your samples with confidence. The touch screen control panel enables easy temperature management for precise control and configuration down to 1°C.

# CONTROL SYSTEM



## USER INTERFACE

- 7 inch touchscreen control interface
- Password protection and time-out screen lock
- User operational records and management
- Inventory management

## TEMPERATURE CONTROL SYSTEM

- Real-time temperature displays
- Temperatures adjustable between -40°C to -86°C
- Precision control down to 1°C increments
- 1 year temperature records and USB download

## INTELLIGENT ALARMS

- Audible and visual alarms for:
  - High or low temperatures (Customizable)
  - Power failure
  - Low battery
  - Door open/improper door seal
  - Filter blockage/damage
  - System failure
- Alarm records and management



# PRODUCT DESIGN

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## ENERGY EFFICIENT REFRIGERATION

- Environmentally friendly RoSH compliant design
- High-efficiency compressor and German EBM fan
- High performance Vacuum Insulated Panels (VIP)
- Double-layer thermal foam insulation and silicone sealing gaskets

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## STRUCTURE

- Medical-grade stainless steel interiors
- Adjustable steel shelves for up to 4 compartments
- Power-assisted lockable door handle designed for security and easy single-handed opening
- Built-in clear file folder
- Built-in caster wheels, leveling legs, and wall fasteners for installation flexibility

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## SAFETY AND BACKUP SYSTEMS

- 24 hour rechargeable back-up battery
- Built-in power surge, over-current, short circuit, and ground protection
- Includes basic and extended warranty options
- Includes automatic power lock and 2 x Door Keys

# SPECIFICATIONS

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## ELECTRICAL REQUIREMENTS

Voltage Rating .....	220V / 60Hz ± 10%
Input Power .....	1300W
Plug Style .....	NEMA 6-15




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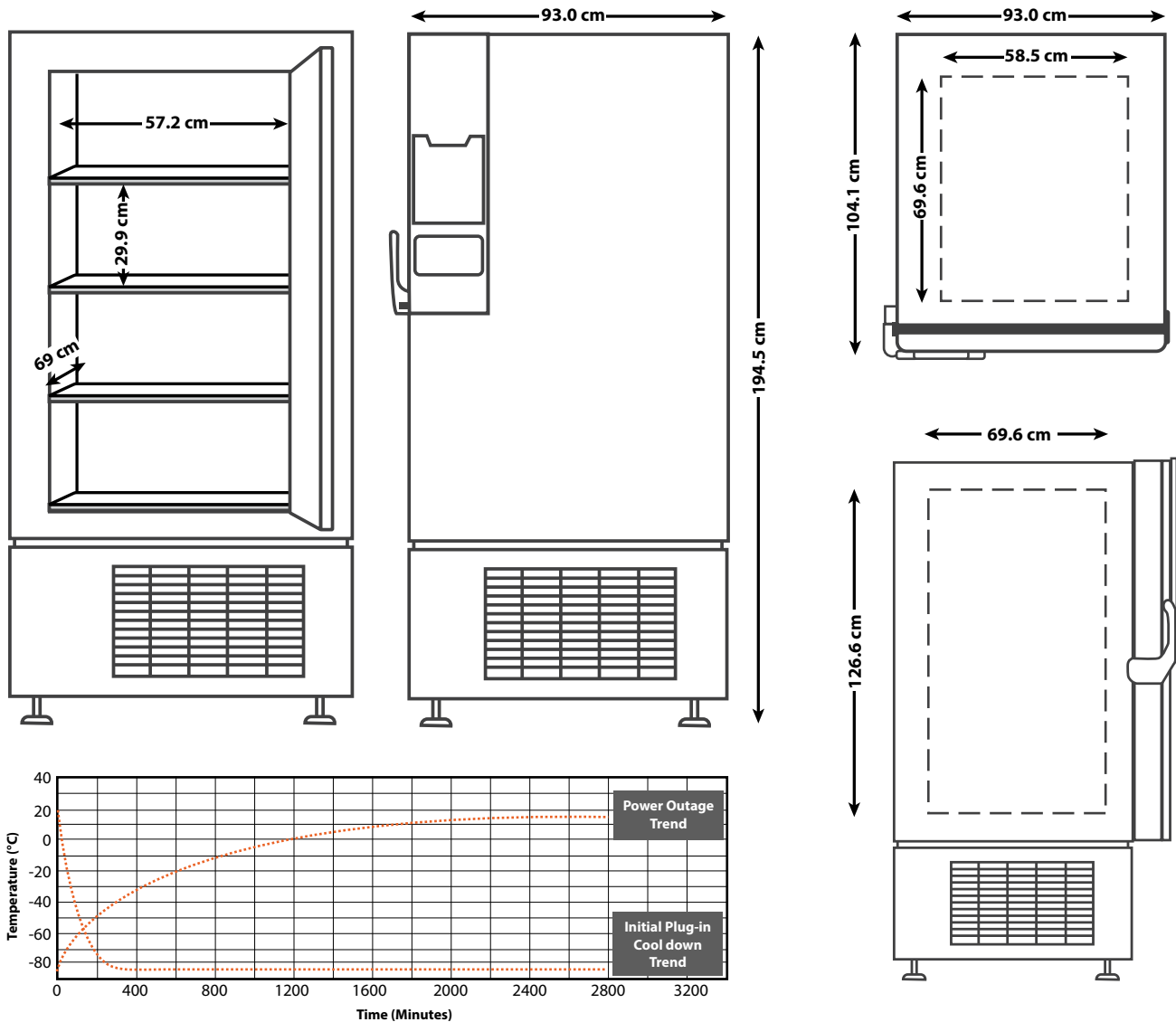
## GENERAL SPECIFICATIONS

Type.....	Ultra Low Freezer, Upright
Net / Gross Weight .....	705.5 lbs (320 kg) / 756.2 lbs (343 kg)
Internal Dimensions (W x D x H) .....	24.7 x 23.0 x 49.8 in   69.6 x 58.5 x 126.6 cm
External Dimensions (W x D x H) .....	41.0 x 36.6 x 76.6 in   104.1 x 93.0 x 194.5 cm
Capacity .....	510L   18 cu. ft.
Shelves.....	3 (Adjustable)
Shelf Capacity .....	110 kg   242.5 lbs Max Load (Bottom Shelf)
Max. Boxes / Vials .....	400 x 2" Boxes / 40,000 x 2 ml Vials
Interior / Exterior Material .....	Stainless Steel / Painted Steel
Casters / Levelling Legs .....	4 (All Direction) / 2 Leveling Legs
Wall Fasteners .....	2
USB Port .....	1
Built-in Breaker .....	1
Back-up Battery.....	1
Certifications.....	ISO 9001, ISO 14001, ISO 13485, CE, ETL, RoSH, UL, CSA

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## REFRIGERATION AND INSULATION

Temperature Range.....	-40°C to -86°C (1°C precision control)
Foam Insulation .....	120 mm, VIP Insulation Panels with HFC-free Cyclopentane Insulation Foam 
Door Seal .....	Silicone sealing gaskets
Refrigerant .....	CFC-Free Mixed Gas Refrigerant 
Compressor .....	Adapted Embraco Compressor
Fan Motor.....	EBM German High-Efficiency Fan Electromotor
Defrost.....	Manual
Energy Consumption .....	8.5 kWh/day  <b>2X MORE ENERGY EFFICIENT</b>
Sound Level.....	~48 dBA



## ORDERING DETAILS

	Cat. No.
Ultra Low Temperature Lab Freezer - 510 L	Q5126

	Basic Package (USD)	Complete Package (USD)
List Price	\$9,500.00	\$9,500.00
Special Research Support Discount	-\$3,500.00	-\$3,500.00
Basic Warranty (1 year limited parts, 3 years compressor)	\$0.00	-
Extended Warranty (5 years limited parts, 7 years compressor)	-	\$2,500.00
Estimated Max. Shipping Fee*	\$1,500.00	\$1,500.00
Taxes/Duties	\$1,500.00	\$1,500.00
<b>Total</b>	<b>\$9,000.00</b>	<b>\$11,500.00</b>
+ Average \$300 Electrician Fee to install 220V outlet	\$9,300.00	\$11,800.00

\*Based on shipping from British Columbia, Canada to Florida, USA. Shipping fees will vary depending on the final destination. Please inquire.