

Helmer Vaccine Storage Solutions

Solutions to help you meet
CDC Guidelines and NSF Standards



WHAT MAKES VACCINE REFRIGERATORS AND FREEZERS DIFFERENT?

Vaccine refrigerators and freezers, also referred to as “pharmaceutical-grade” or “purpose-built” units, are designed and manufactured specifically for the storage of temperature-sensitive vaccines. These units can be compact, under-the-counter style, or large upright units.

Helmer Scientific offers a full range of pharmacy refrigerators and freezers with superior temperature uniformity, recovery and stability. Local alarms, event logging and continuous temperature monitoring help the pharmacy meet guidelines and regulations. Ensure your temperature sensitive pharmaceuticals, medications and vaccines are protected with professional, medical-grade refrigeration.

CDC VACCINE STORAGE & HANDLING GUIDELINES

The Center for Disease Control (CDC) guidelines and recommendations apply to all facilities that handle vaccines. The CDC encourages providers to move toward implementing these guidelines as soon as possible. Providers participating in the Vaccines for Children (VFC) program must pay extra attention to these guidelines and should consult their state or local immunization program for specific recommendations and requirements.

The Vaccine Storage and Handling Toolkit is a comprehensive guide developed by the CDC to reflect best practices for vaccine storage and handling. The vaccine toolkit is updated annually to account for advances in practices and changes.

WHAT'S AT RISK WITH IMPROPER VACCINE STORAGE

Storage at manufacture recommended temperatures is essential for maintaining vaccine efficacy. Loss of potency can result from exposure to excessive heat, cold, and/or light. Once potency is lost, it cannot be regained. Administering ineffective vaccine puts patient and public health at risk of preventable disease.

UNDERSTANDING THE CDC VACCINE GUIDELINES

The toolkit outlines CDC recommendations, which are the minimal actions required to protect your vaccine supply, as well as CDC Best Practices, which outlines additional actions, practices, and procedures to enhance protection of your vaccine supply. CDC encourages providers to implement these guidelines as soon as possible.

SELECTING VACCINE STORAGE EQUIPMENT

The CDC recommends the use of “purpose-built” or “pharmaceutical-grade” units designed to either refrigerate or freeze. Vaccine units can be compact, under-the-counter style, or large uprights. “Purpose-built” or “pharmaceutical-grade” units are designed specifically for storage of biologics, including vaccines. The unit should include enough space to accommodate your maximum inventory without crowding.

VACCINE REFRIGERATORS AND FREEZERS FROM HELMER SCIENTIFIC

HELPING YOU MEET NEW NSF STANDARDS

Safe and effective vaccine storage is an essential part of protecting the population from devastating disease. Providers are looking to the CDC Vaccine Storage and Handling Toolkit for essential information on proper storage, handling, monitoring, and administration of vaccines.

In addition to CDC guidelines, the NSF Joint Committee for vaccine storage has finalized the NSF/ANSI 456 Vaccine Storage Standard to safeguard vaccines. This new standard is designed to ensure vaccine storage equipment can maintain 5°C +/- 3°C across all potential storage locations under varying load conditions to simulate real-world clinical environments. Not all medical-grade cold storage units will meet the requirements of this standard, and it's important to select a unit that has been tested and certified.

GX SOLUTIONS PROFESSIONAL, MEDICAL-GRADE PHARMACY AND VACCINE REFRIGERATORS

GX Solutions professional, medical-grade pharmacy and vaccine refrigerators take cold storage to new levels. Focusing on temperature, noise, and energy management, GX Solutions are the first cold storage solutions to optimize all three areas and offer a professional, medical-grade solution.

GX Solutions are powered by OptiCool™ technology, which pairs variable capacity compressor (VCC) technology and natural hydrocarbons (HC) to achieve performance characteristics that offer a superior vaccine storage environment:

- » Optimized temperature management - uniformity, recovery and stability
- » Noise levels lowered - 3X quieter than conventional medical-grade refrigerators
- » Energy levels reduced - 50-65% more efficient than conventional medical-grade refrigerators
- » Environmental sustainability initiatives supported



Available in i.Series® and Horizon Series™ lines, GX Refrigerators are available in upright and undercounter models. For compact areas, a stacking kit is available to stack 2 undercounter units.

GX PROFESSIONAL, MEDICAL-GRADE PHARMACY/VACCINE REFRIGERATORS

Model Number	Temp Range Setpoint	Capacity cu ft L	Electrical	Doors	Ventilated Drawers	Ventilated Shelves	Exterior Dimensions wxhxd in mm	Net Weight
iPR105-GX HPR105-GX	+2° to +10°C 5°C	5.3 150	115V 60Hz 220-240 50/60 Hz	1	2	0	24 x 31.5 x 26.7 610 x 798 x 678	182 83
iPR113-GX HPR113-GX	+2° to +10°C 5°C	13.3 377	115V 60Hz 220-240 50/60 Hz	1	5	1	24.1 x 70.5 x 26.1 612 x 1790 x 663	338 154
iPR120-GX HPR120-GX	+2° to +10°C 5°C	20.2 572	115V 60Hz 220-240 50/60 Hz	1	6	1	29 x 79.6 x 28.2 737 x 2021 x 715	438 199 487 221
iPR125-GX HPR125-GX	+2° to +10°C 5°C	25.2 714	115V 60Hz 220-240 50/60 Hz	1	6	1	29 x 79.6 x 34.2 737 x 2021 x 867	517 235 514 234
iPR245-GX HPR245-GX	+2° to +10°C 5°C	44.9 1271	115V 60Hz 220-240 50/60 Hz	2	12	2	59 x 79.6 x 28.2 1499 x 2021 x 715	775 352 774 352
iPR256-GX HPR256-GX	+2° to +10°C 5°C	56 1586	115V 60Hz 220-240 50/60 Hz	2	12	2	59 x 79.6 x 34.2 1499 x 2021 x 867	827 376 817 371

ADA compliant full-length handle and compatible with ADA compliant countertops

PHARMACEUTICAL-GRADE -30°C LABORATORY FREEZERS

High performance pharmaceutical-grade laboratory freezers offer superior chamber temperature uniformity and quick recovery, essential for the safe storage of frozen vaccines. Helmer freezers are designed with a heavy-duty, forced-air refrigeration system that helps ensure the proper temperature is maintained throughout the unit.

Helmer Scientific Laboratory Refrigerators offer the following

- » Continuous temperature monitoring with high and low alarms that ensure temperature won't exceed or fall below the alarm limits
- » Evaporator fan shuts off during door opening to maintain stable temperatures
- » Program electrical defrost cycles to run at low use periods to maintain temperature with minimal temperature fluctuation

Available in i.Series® and Horizon Series™ lines, laboratory freezers are available in upright and undercounter models. In addition undercounter models can be stacked with a second freezer or a GX refrigerator to save space in compact areas.



-30°C MEDICAL-GRADE LABORATORY FREEZERS

Model Number	Temp Range Setpoint	Capacity cu ft L	Electrical	Doors	Shelves	Exterior Dimensions wxhxd in mm	Net Weight lb kg
iLF104-ADA HLF104-ADA	-15° to -30°C -30°C	4 113	115V 60Hz	1	2	24 x 32 x 26.75 610 x 813 x 680	211 96 205 93
iLF105 HLF105	-15° to -30°C -30°C	5 142	115V 60Hz 230V 50Hz 230V/60 Hz	1	2	24 x 34 x 26.75 610 x 864 x 680	215 98 209 95
iLF120 HLF120	-15° to -30°C -30°C	20.2 572	115V 60Hz 230V 50Hz 208/230V/60 Hz	1	4	29.5 x 80 x 29.5 750 x 2032 x 750	443 201 440 200
iLF125 HLF125	-15° to -30°C -30°C	25.2 714	115V 60Hz 230V 50Hz 208/230V/60 Hz	1	4	29.5 x 80 x 35.5 750 x 2032 x 902	481 219 478 217

CUSTOM CONFIGURATIONS AND STORAGE SOLUTIONS

Helmer offers shelves, ventilated drawers, stainless steel solid drawers and locking drawers that can be customized to suit your application. For complete information on GX Solutions pharmacy refrigerators and laboratory freezers, please visit our website: helmerinc.com.

For more information visit:
helmerinc.com/vaccine-refrigerators

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