

WAY

4

# Rising to the Challenge of Safe and Effective Vaccine Storage With Helmer Scientific

Three ways GX Solutions help you safeguard your vaccine inventory.

**CEO:** Bruce King

**Vice President of Sales & Marketing:** Lori Gabrek

**Founded:** 1977

**Employees:** 300

**Toll-Free Phone:** (800) 743-5637

**Phone:** (317) 773-9073

**Address:** 14400 Bergen Boulevard, Noblesville, IN 46060

**Website:** www.helmerinc.com



## Company Background

Helmer Scientific is a manufacturer and worldwide distributor of medical-grade cold storage and laboratory processing equipment. We have over 40 years of experience in providing high-quality temperature-controlled environments, with our products used in over 130 countries throughout the world. We serve customers from our U.S.-based headquarters, which also houses our R&D center and advanced FDA GMP manufacturing operation. Helmer is an industry leader for pharmacy and vaccine cold storage solutions.

## Product Overview

Vaccine demand is increasing. The expected rise in influenza vaccinations along with the anticipated release of new COVID-19 vaccines are creating unprecedented demands for vaccine storage. Ensuring appropriate capacity and quality of vaccine storage is more important than ever.

Failure to maintain the cold chain can result in the loss of potency of vaccines. That is why it is critical to use effective cold storage units to help ensure every vaccine dose counts. When choosing the equipment that will safeguard your vaccine inventory providers need to consider existing CDC recommendations for safe vaccine storage, which includes using purpose-built or pharmacy-grade units with forced-air circulation, microprocessor-based controls, and alarms. Additional industry standards are also emerging to further ensure appropriate temperature performance of vaccine storage units. This emerging standard, being developed by the NSF Joint Committee on Vaccine Storage, is designed to confirm temperature performance under various door open and vaccine load scenarios anticipated in provider environments.

Helmer Scientific vaccine storage solutions are designed to meet current CDC guidelines as well as emerging standards to help reduce the risk of damaging vaccines due to temperature excursions. The Helmer Scientific portfolio includes a full range of cold storage products including vaccine refrigerators and freezers.

GX Solutions pharmacy refrigerators are specifically designed to provide safe and effective storage in three ways:

1. GX Solutions eliminate costly temperature excursions with superior temperature uniformity, recovery, and stability. Temperature is maintained within  $\pm 1^{\circ}\text{C}$  throughout the unit. Offer faster recovery after prolonged door openings and create fewer deviations from the set point avoiding rapid, significant changes in temperature which could put vaccines at risk for temperature excursions.
2. GX Solutions are powered by OptiCool™ technology. The OptiCool™ cooling system pairs a variable capacity compressor (VCC) and natural refrigerants to:
  - Ensure optimal temperature uniformity, recovery, and stability.
  - Efficiently manage energy consumption (50-65% reduction over traditional medical-grade units).
  - Reduce noise output from the system (three times quieter than traditional medical-grade units).
3. Finally, GX Solutions supports CDC guidelines for vaccine storage and handling and new emerging standards that further define temperature performance.

## Features & Options

### Professional, Medical-Grade Performance

- Best-in-class temperature management, including uniformity, recovery, and stability, to safeguard medications and vaccines, regardless of where they are placed within the unit.
- Avoiding rapid, significant changes in temperature to ensure that medications and vaccines are always in an optimal storage environment.
- Energy management reduces operating costs and supports sustainability initiatives through a highly-efficient cooling system.

### Continuous Monitoring Offers Safety and Security of Stored Product

The i.C3® Information Center provides constant temperature monitoring and multiple information logs, plus security features to keep crucial refrigerator settings protected.

- Information and event center records performance history of the unit as well as event.
- Offers protected settings and limits refrigerator access with a key lock or optional integrated electromagnetic access control.
- Offers data export of temperature, event, and access data via USB port as PDF reports or CSV files.

### Medication and Vaccine Storage

- Factory pre-set to  $5^{\circ}\text{C}$  for pharmacy applications.
- Supports CDC guidelines for vaccine storage.
- Remote lock adapter kits available for integration with automated dispensing cabinets.
- Quiet operation for improved work environment (UC 42dB, Upright 47-50dB).
- Standard configuration includes, ventilated pull-out pharmacy drawers and ventilated shelf.