



Examining Long-Term Storage Requirements & Needs of Biologicals

Overview

As cell-based therapies and pharmaceuticals continue to proliferate in the market, the demand for precision cold storage will be vital to maintain medicinal efficacy and research sample viability.

PHCbi refrigerators, freezers and cryogenic products represent over fifty years of engineering excellence in temperature-controlled products. From the refrigeration platform to the control center and cabinet configuration, each model was purpose-built for safety and viability of high value pharmaceuticals and biologics.



Long term viability of biologically derived samples is crucial for maintaining and archiving scientific investigations.

While many factors impact cell viability, the need for repeatability in the preservation of life forms within the cold chain remains a constant for all clients. As biorepositories and research facilities expand, balancing operational and energy costs while keeping delicate samples secure, remains a challenge. Furthermore, as inefficient, older-generation equipment reaches end of life, demand for reliable, energy efficient equipment with precision temperature control remains high.





At **PHCNA**, we're committed to supporting all medical professionals working to fight against the spread of COVID-19 and those caring for patients that have been affected. At each step of the clinical, research, and production processes, **PHCbi** products deliver tightly controlled environments for COVID-19 workflow.



-80°C Ultra Low Temperature Freezers

Deliver unmatched temperature performance for CDC mandated archiving of viral specimens, extracted RNA and cDNA safely below -70°C

-30°C Biomedical Freezers & High-Performance Refrigerators

Utilize advanced control components for safe storage of COVID-19 diagnostic test kit components: PCR enzymes, primers, and buffers.



CO₂ Incubators

These incubators incorporate precision environmental control and decontamination technologies for housing viral modeling assays and vaccine development platforms





PHCbi products uphold three key pillars of cold storage equipment, without compromise.

- **Temperature Performance**
- **Long Term Reliability**
- **Energy Efficiency**

Our refrigeration systems incorporate natural refrigerants, proprietary control algorithms and variable speed inverter compressors for unmatched performance.

Case Study

The Magic Behind Conjugate Vaccine Development



WATCH VIDEO TESTIMONIAL

Dr. Andrew Lees is the founder of Fina Biosolutions, a company dedicated to the provision of affordable conjugate vaccines. In this video testimonial, Lees, now CEO and Scientific Director of Fina Biosolutions, explains how the company has grown to offer a variety of bioconjugation and protein services and describes how the installation of **PHCbi** freezers has been instrumental in meeting the needs of his growing research team.



PHC Corporation of North America

www.phchd.com/us/biomedical

If you'd like to request a quote or have other inquiries about our products, we invite your team to contact us.

CONNECT WITH US

PRODUCED BY
 **GENERIS**