

A look into our complete product collection.



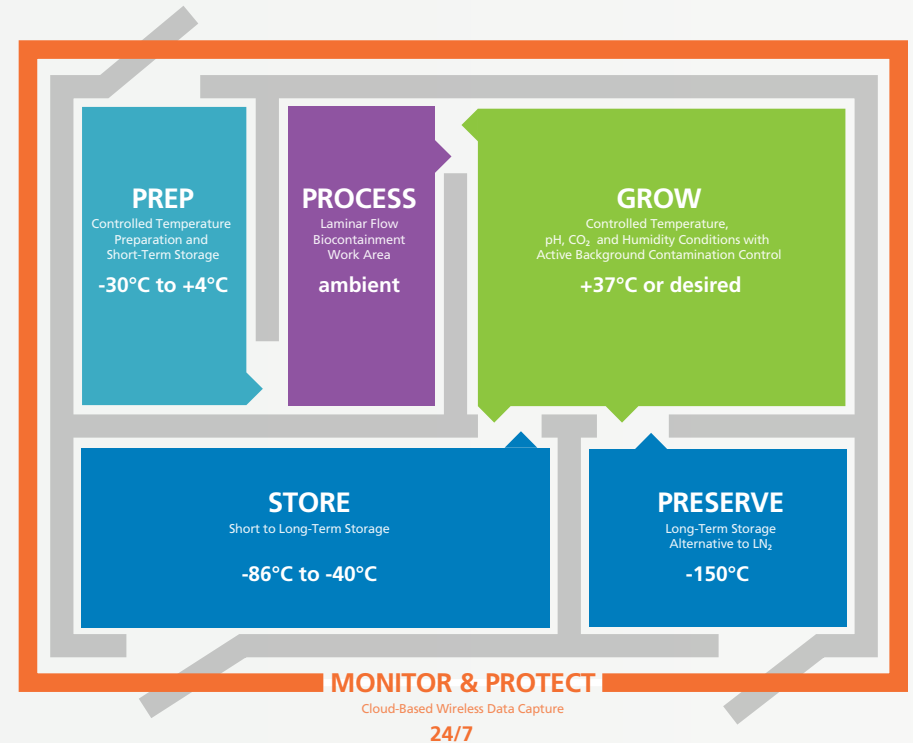
PRODUCT GROUPS:

-150°C Freezers | -86°C Freezers | -40°C Freezers | -30°C Freezers | Refrigerators | Refrigerator & Freezer Combo Units |
CO₂ Incubators | Multigas Incubators | Biological Safety Cabinets | Heated & Refrigerated Incubators | Cell Processing Work Station |
Drosophila/Plant Growth Chamber | Autoclave | Lab Monitoring System |

The Cell Culture Equation

Assuring dependable performance from seed cultures to long-term preservation.

PHC Corporation of North America has established a complementary suite of laboratory equipment products that offer the convenience of a single source supply.



Laboratory Refrigerators and Biomedical Freezers

Storage of RPMI, DMEM, antifungal, FBS protein, EDTA, L-glutamate, trypsin.

Laboratory refrigerators and biomedical freezers offer accurate and stable storage of media, reagents, enzymes and other components required for preparation and set-up of the cell culture process.



Biological Safety Cabinets

Media feeding, harvesting, passaging, experimenting, processing, nucleic acid processing and PCR preparation.

The biological safety cabinet (BSC) uses HEPA filtration to create a work surface containment area for managing cell processes. The Class II, Type A2 cabinet maintains a laminar flow envelope to protect cells from particulate contamination.



Cell Culture Incubators

PHCbi brand Cell-IQ™ cell culture incubators create precise *in vitro* environments essential to cell growth. Incubators are available in traditional CO₂ configurations for standard processes.

Controlled CO₂ for pH management, controlled O₂ for maintaining neo-hypoxic conditions, stable temperature -37°C, elevated humidity to eliminate media desiccation, active and passive decontamination protection.



Ultra-Low Temperature Freezers

Long-term storage and sample security.

Ultra-low temperature freezers are required for storage of the finished product at temperatures as low as -86°C.



Cryogenic Freezer

Long-term storage of most life forms and sample security.

The PHCbi brand cryogenic freezer offers cost-effective and safe alternatives to liquid nitrogen vapor or liquid storage systems for extended preservation without the constant need for refilling.



Monitoring and Data Acquisition

Real-time monitoring and notification. Protection for valuable products and laboratory equipment investment.

LabAlert is an independent wireless monitoring solution for environmental conditions in refrigerators and freezers. Our secure, cloud-based solution offers customizable monitoring for refrigerators and freezers with no software installation required.

-86°C and Cryogenic Freezers

Tested to meet the toughest quality standards, our ultra-low temperature freezers offer superior performance and reliability. The cooling and insulation systems in ultra-low temperature freezers maintain uniform conditions throughout the freezer's interior, even in response to frequent door openings. Find the right freezer for your needs.



Models MDF-DU702VXC-PA and MDF-DC700VXC-PA



Model MDF-DU702VH-PA



Model MDF-U7586SC-PA



Model MDF-C8V1-PA



Model MDF-C2156VANC-PA

TwinGuard® Series

-86°C Ultra-Low Temperature Freezers

MDF-DU702VXC-PA | 25.7 cu.ft. (729 L)
 MDF-DC700VXC-PA | 25.3 cu.ft. (715 L)
 MDF-DU502VXC-PA | 18.6 cu.ft. (528 L)
 MDF-DU302VX-PA | 12.7 cu.ft. (360 L)

Two independent compressor systems offer double security for your samples.

5-year parts and labor warranty

VIP® Series

VIP -86°C Ultra-Low Temperature Freezers

MDF-U76VA-PA | 25.7 cu.ft. (728 L)
 MDF-U76VC-PA | 25.7 cu.ft. (728 L)

VIP ECO Natural Refrigerant Freezer

MDF-DU901VHA-PA | 29.8 cu.ft. (845 L) 115V* **NEW**
 MDF-DU702VH-PA | 25.7 cu.ft. (729 L) 220V*
 MDF-DU702VHA-PA | 25.7 cu.ft. (729 L) 115V*
 MDF-DU502VH-PA | 18.6 cu.ft. (528 L) 220V*
 MDF-DU502VHA-PA | 18.6 cu.ft. (528 L) 115V*

Better reliability in your freezer with optimal performance and maximum energy savings.

**ENERGY STAR® Certified
 5-year parts and labor warranty*

PRO Series

-86°C Ultra-Low Temperature Freezers

MDF-U7586SC-PA | 23.5 cu.ft. (668 L)
 MDF-U5586SC-PA | 17.1 cu.ft. (483 L)

High performance with optimum value.

5-year parts and labor warranty

Chest Freezer

-80°C Ultra-Low Temperature Freezer

MDF-C8V1-PA | 3.0 cu.ft. (84 L)

Energy efficiency and high performance cooling with space saving design.

5-year parts and labor warranty

Cryogenic Freezer

-150°C Ultra-Low Temperature Freezer

MDF-C2156VANC-PA | 8.2 cu.ft. (231 L)

Reliable mechanical cryogenic preservation with maximum storage capacity.

2-year parts and labor warranty and 5-year compressor warranty

High Performance Biomedical Refrigerators and Freezers

This selection of high performance freezer and refrigeration systems offers outstanding performance and reliability, even in higher ambient temperatures and in response to frequent door openings. The cooling system also maintains uniform temperatures throughout the equipment's interior, which is especially important for GMP applications and vaccine storage.



Model SR-L6111W-PA



Model MDF-MU339HL-PA



Model MPR-N450FH-PA



Model MPR-722-PA



Model MPR-S300H-PA

Undercounter Refrigerator & Freezer

2°C to 14°C Refrigerator

SR-L6111W-PA | 5.7 cu.ft. (161 L)*

2°C to 8°C Refrigerator

PR-L2466W-PA | 1.62 cu.ft. (45.9 L)*

-15°C to -20°C Freezer

SF-L6111W-PA | 5.5 cu.ft. (156 L)*

Suitable for demanding standards in clinical, life science, pharmaceutical, biotechnology, and industrial laboratories.

*ENERGY STAR Certified

Laboratory Freezers

-30°C Freezers

MDF-U731M-PA | 24.4 cu.ft. (690 L)*

MDF-U731-PA | 22.0 cu.ft. (623 L)*

-30°C ECO Natural Refrigerant Freezers

MDF-MU539HL-PA | 17.8 cu.ft. (504 L) **NEW**

MDF-MU339HL-PA | 13.0 cu.ft. (369 L) **NEW**

-40°C ECO Natural Refrigerant Freezers

MDF-MU549DHL-PA | 16.9 cu.ft. (479 L) **NEW**

Ideal for storage of vaccines, specimens and other pharma reagents. Available with optional storage bins. Automatic and manual defrost models available.

*ENERGY STAR Certified

Combo Refrigerators/Freezers

2°C to 14°C Refrigerators -30°C Freezers

MPR-715F-PA | 14.7 cu.ft. Ref & 6.2 cu.ft. Frzr (415 L Ref & 176 L Frzr)

MPR-N450FH-PA | 11.5 cu.ft. Ref & 4.8 cu.ft. Frzr (326 L Ref & 136 L Frzr)

MPR-N450FSH-PA¹ | 11.5 cu.ft. Ref & 4.8 cu.ft. Frzr (326 L Ref & 136 L Frzr)

MPR-215F-PA | 6.2 cu.ft. Ref & 1.4 cu.ft. Frzr (176 L Ref & 39 L Frzr)

The biomedical refrigerator with freezer combines high performance refrigeration and monitoring systems with an energy efficient design. Each temperature zone is engineered with separate refrigeration systems for demanding applications and to meet GMP guidelines.

¹Solid door model

Swinging Door Refrigerators

2°C to 14°C Refrigerators

MPR-1412-PA | 48.2 cu.ft. (1364 L)

MPR-1412R-PA² | 48.0 cu.ft. (1359 L)

MPR-722-PA | 24.2 cu.ft. (684 L)

MPR-722R-PA² | 23.7 cu.ft. (671 L)

Ideal temperature environment for clinical research, pharmaceutical, and industrial use. Adjustable shelves and wide range setpoint for varying laboratory applications, including chromatography and pharmaceutical storage. Available with optional sliding drawers.

²Pullout drawers

Sliding Door Refrigerators

2°C to 14°C Refrigerators

MPR-1014-PA | 36.5 cu.ft. (1033 L)*

MPR-1014R-PA³ | 36.3 cu.ft. (1029 L)*

MPR-514-PA | 17.3 cu.ft. (489 L)*

MPR-514R-PA³ | 17.2 cu.ft. (486 L)*

MPR-S300H-PA⁴ | 12.2 cu.ft. (345 L)

The slim design and optional sliding drawers or baskets give pharmaceutical refrigerators an ergonomic advantage, while complying with strict storage temperatures and easy product access.

*ENERGY STAR Certified

³Pullout wire baskets

⁴Optional pullout drawers

CO₂ and Multigas Incubators

These incubators use innovative technology to meet a wide range of applications and budget requirements for CO₂ and controlled oxygen cell culture protocols.



Model MCO-170AICUVDL-PA

Cell-IQ™ CO₂ Incubator with High Heat Sterilization

CO₂ Incubator

MCO-170AICUVDL-PA | 5.8 cu.ft. (165 L)

Touchscreen CO₂ incubator for optimal cultivation conditions with inCu-saFe germicidal interior and SafeCell UV for continuous protection. A unique dual heat sterilization system provides complete decontamination of the incubator's interior.



Model MCO-170AICUVL-PA

Cell-IQ CO₂ Incubators with Vaporized H₂O₂ Decontamination

CO₂ Incubators

MCO-170AICUVHL-PA | 5.8 cu.ft. (165 L)

H₂O₂ standard

MCO-230AICUVL-PA | 8.1 cu.ft. (230 L)
MCO-170AICUVL-PA | 5.8 cu.ft. (165 L)

Optional: H₂O₂ decontamination available for both models

CO₂ incubator with touchscreen control panel delivers ease-of-use, effortless cleaning, easy maintenance, and outstanding performance with multi-level contamination control and optional fast H₂O₂ decontamination.



Model MCO-170MP-PA

Cell-IQ Multigas Incubators

Multigas Incubators

MCO-170MP-PA | 5.7 cu.ft. (161 L)

MCO-5M-PA | 1.7 cu.ft. (49 L)

Optional: UV background decontamination available for both models. H₂O₂ decontamination available for MCO-170M-PA model

The Cell-IQ Multigas is a complete cell culture incubator for highly regulated applications like stem cell research, regenerative medicine, and *in vitro* fertilization.



Model MCO-170ACL-PA

CytoGrow Optimal Incubators

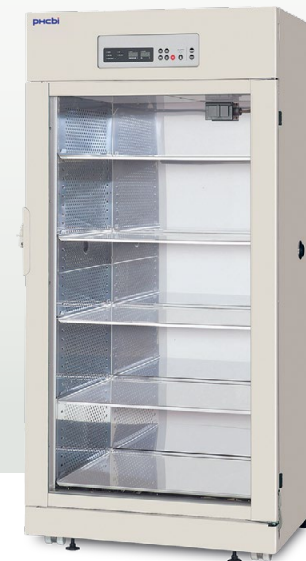
CO₂ Incubators

MCO-170ACL-PA | 5.8 cu.ft. (165 L) **NEW**

MCO-5ACL-PA | 1.7 cu.ft. (49 L)

Optional: UV background decontamination

CytoGrow Optimal CO₂ incubators are ideal for cell culture and clinical based research applications with an optimum value.



Model MCO-80ICL-PA

CytoGrow ReachIn Incubator

CO₂ Incubator

MCO-80ICL-PA | 30.1 cu.ft. (851 L)

Optional: UV background decontamination

CytoGrow ReachIn CO₂ incubators have the flexibility to grow a wide variety of cells, while providing a greater capacity for storage. Available with optional roller bottle apparatus ramp and reinforced shaker shelves.



Model PF-L5011WSEC-PA

General Purpose Undercounter Laboratory Refrigerators

2°C to 8°C Refrigerators

PR-L5111W-PA | 4.9 cu.ft. (139 L)
PR-L5111WSEC-PA⁵ | 4.9 cu.ft. (139 L)

-25°C to -15°C Freezers

PF-L5011W-PA | 5.0 cu.ft. (142 L)
PF-L5011WSEC-PA⁵ | 5.0 cu.ft. (142 L)

⁵Includes external hasp to accommodate padlock (not included).

Our general purpose laboratory refrigerators and freezers are used for storage of life science research materials.

Optimized for space-saving and cold storage. Undercounter refrigerators are ideal for quick and easy storage of laboratory materials.



Model MHE-N400A2-PA

Biological Safety Cabinets

MHE-N400A2-PA | 4 ft. (1.2 m)
MHE-N600A2-PA | 6 ft. (1.8 m)

Class II, Type A2 Biological Safety Cabinet (BSC) offers a combination of cabinet design and filtration systems to protect personnel, the work product and the environment from biological particulates.

The BSC is engineered for work with low to moderate risk organisms that pose a biohazard to work in process, people and the facility. True laminar airflow with a constant face velocity airflow creates a performance envelope within and throughout the work surface to minimize or eliminate cross contamination.

5-year parts and labor warranty



Model MHE-PF4025CW2-PA

CPWS Cell Processing Work Station

MHE-PF4025CW2-PA

The CPWS offers a cost-effective alternative to high capital equipment and maintenance expenses associated with clean rooms. The CPWS provides Class 100 air quality with barrier isolation required for regenerative stem cell therapies and other cell therapies.



Model MIR-554-PA

Heated and Refrigerated Microbiological Incubators

MIR-554-PA | 14.3 cu.ft. (406 L) -10°C to 60°C HEAT AND COOL
MIR-254-PA | 8.4 cu.ft. (238 L) -10°C to 60°C HEAT AND COOL
MIR-154-PA | 4.34 cu.ft. (123 L) -10°C to 60°C HEAT AND COOL

MIR-H263-PA | 5.4 cu.ft. (153 L) +5°C to 80°C HEAT
MIR-H163-PA | 3.3 cu.ft. (93 L) +5°C to 80°C HEAT

MIR series incubators are designed for general laboratory applications requiring fixed setpoint or cycling temperature control. A selection of five cabinet sizes offers programmed operation and integrated alarms for a wide temperature range.

Drosophila/ Plant Growth Chamber

Model: MLR-352H-PA | 10.4 cu.ft. (294 L)

The humidified drosophila/plant growth chamber functions within a temperature range of 5°C to 50°C, with programmable lighting, and humidity control for diurnal protocols in plant and insect experiments.



Model MLR-352H-PA

Top-Loading Portable Autoclave

For research use only.

Model: MLS-3751L-PA | 1.8 cu.ft. (50 L)

The MLS top-loading autoclave is a popular method of sterilization for today's research laboratories. Self-contained and easy to use, this reliable energy-saving autoclave is ideal for a wide-range of applications, including liquid culture media preparation, labware and waste sterilization.



Model MLS-3751L-PA

LabAlert® Real-Time Monitoring & Notification System

What is LabAlert?

LabAlert is a complete, end-to-end wireless, monitoring solution for all your laboratory equipment.



What can be tracked?

ULT FREEZERS	LAB FREEZERS	LAB REFRIGERATORS	INCUBATORS	GMP CLEAN ROOM	LN ₂ STORAGE
<ul style="list-style-type: none"> • Temperature • Door Status • 0-5V DC • 4-20 mA 	<ul style="list-style-type: none"> • Temperature • Door Status • 0-5V DC • 4-20 mA 	<ul style="list-style-type: none"> • Temperature • Door Status • 0-5V DC • 4-20 mA 	<ul style="list-style-type: none"> • CO₂ Concentration • Temperature • Humidity 	<ul style="list-style-type: none"> • Temperature • Humidity • Pressure • Water level 	<ul style="list-style-type: none"> • Temperature

Laboratory Equipment Parameters

Product	Temperature	CO ₂	O ₂	Humidity	Door Status	Liquid Level	Pressure	RPM	Flow
Cryogenic Freezers	●	—	—	—	●	—	—	—	—
ULT Freezers	●	—	—	—	●	—	—	—	—
Lab Freezers	●	—	—	—	●	—	—	—	—
Lab Refrigerators	●	—	—	—	●	—	—	—	—
Incubators	●	●	●	●	●	●	—	—	—
LN ₂ Storage	●	—	●	—	●	●	—	—	—
Environment Chambers	●	—	—	●	●	●	—	—	—
Clean Rooms	●	—	—	●	●	—	●	—	—
Environment Rooms	●	—	—	●	●	—	●	—	—
Ovens	●	—	—	—	●	—	—	—	—
Centrifuges	●	—	—	—	●	—	—	●	—
Facility Ambient	●	—	●	●	●	●	—	—	—
BioSafety Cabinets	●	—	—	—	—	—	●	—	●
Water Baths	●	—	—	—	—	●	—	—	●

*Other parameters available. Contact PHC Corporation of North America for information.



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For latest specification information contact PHC Corporation of North America at info@us.phchd.com.