



PRODUCT COLLECTION OVERVIEW



Ultra-Low Temperature and Cryogenic Freezers

High Performance Biomedical Refrigerators and Freezers

Multigas, CO₂ and Laboratory Incubators

Lab Monitoring System

The Life Science Equation

Our product lines are designed to support the life science equation from incubation to storage. Our suite of laboratory equipment builds a circle of protection around your valuable work to ensure the reproducibility, dependability and high performance you demand.





Ultra-Low Temperature and Cryogenic Freezers

Long-term storage and sample security. Ultra-low temperature freezers are required for storage of samples and certain vaccines at temperatures as low as -86°C. 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.



High Performance Biomedical Refrigerators and Freezers

Our refrigerators, freezers and combo refrigerators/freezers represent more than fifty years of engineering excellence in cold chain storage and temperature controlled products. From the refrigeration platform to the control center and cabinet configuration, each model delivers the protection needed for the safety and viability of high value vaccines and pharmaceuticals.



CO₂, Multigas, Laboratory Incubators and Plant Growth Chambers

Our full collection of incubators is designed to deliver reproducibility. Our Cell- IQ^TM CO_2 and multigas CO_2/O_2 incubators ensure a precise and repeatable *in vitro* chamber environment. Our heated and cooled laboratory incubators permit accurate temperature control and consistent uniformity. The PHCbi brand plant growth chamber provides a temperature controlled, humidified environment with programmable lighting protocols.



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.

Ultra-Low Temperature and Cryogenic Freezers

Tested to meet the toughest quality standards, our ultra-low temperature freezers offer proven 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.





Two refrigeration systems work independently to double security for your samples.

-86°C Ultra-Low Temperature Freezers

MDF-DU702VXC-PA | 76019-348 25.7 cu.ft. (729 L)

MDF-DC700VXC-PA | **75788-512** 25.3 cu.ft. (715 L)

MDF-DU502VXC-PA | 76019-346 18.6 cu.ft. (528 L)

MDF-DU302VX-PA | **76200-148** 12.7 cu.ft. (360 L)

5 year parts and labor warranty

VIP® Series

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

VIP ECO Natural Refrigerant Freezer

MDF-DU901VHA-PA | **76371-774*** 29.8 cu.ft. (845 L) 115V

MDF-DU703VH-PA | 76637-154¹* 25.7 cu.ft. (729 L) 115V

MDF-DU703VHA-PA | 76637-1521* 25.7 cu.ft. (729 L) 220V

MDF-DU702VH-PA | 76020-716¹* 25.7 cu.ft. (729 L) 220V

MDF-DU702VHA-PA | 76305-598* 25.7 cu.ft. (729 L) 115V

MDF-DU503VH-PA | 76637-1501* 18.6 cu.ft. (528 L) 220V

MDF-DU503VHA-PA | 76637-148¹*
18.6 cu.ft. (528 L) 115V

MDF-DU502VH-PA | 76269-676¹* 18.6 cu.ft. (528 L) 220V

MDF-DU502VHA-PA | 76305-596* 18.6 cu.ft. (528 L) 115V

5 year parts and labor warranty

¹ Temperature Range -40°C to -86°C



MDF-C8V1-PA | 10046-902

Chest Freezer

Energy efficiency and high performance cooling with space saving design.

-80°C Ultra-Low Temperature Freezer

MDF-C8V1-PA | 10046-902 3.0 cu.ft. (84 L)

5 year parts and labor warranty



MDF-C2156VANC-PA | 10046-900

Cryogenic Freezer

Reliable mechanical cryogenic preservation with maximum storage capacity.

-150°C Ultra-Low Temperature Freezer

MDF-C2156VANC-PA | 10046-900 8.2 cu.ft. (231 L)

2 year parts and labor with an additional 3 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.









MDF-MU339HL-PA | 76383-294

MPR-722-PA | 76355-506

MPR-S300H-PA | 76383-298

Laboratory Freezers

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

-30°C Freezers

MDF-U731M-PA | 10067-690* 24.4 cu.ft. (690 L)

MDF-U731-PA | 89429-298* 22.0 cu.ft. (623 L)

-30°C ECO Natural Refrigerant Freezers

MDF-MU539HL-PA | 76383-296 17.8 cu.ft. (504 L)

MDF-MU339HL-PA | 76383-294* 13.0 cu.ft. (369 L)

-40°C ECO Natural Refrigerant Freezers

MDF-MU549DHL-PA | 76383-292 16.9 cu.ft. (479 L)

3 year parts and labor warranty

Combo Refrigerators/Freezers

Combines high performance refrigeration with an energy efficient design. Each temperature zone is engineered with separate refrigeration systems for demanding applications and to meet GMP guidelines.

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

MPR-715F-PA | 89230-124 14.7 cu.ft. Ref & 6.2 cu.ft. Frzr (415 L Ref & 176 L Frzr)

MPR-N450FH-PA | 76353-814 11.5 cu.ft. Ref & 4.8 cu.ft. Frzr (326 L Ref & 136 L Frzr)

MPR-N450FSH-PA | 76353-8161 11.5 cu.ft. Ref & 4.8 cu.ft. Frzr (326 L Ref & 136 L Frzr)

MPR-N250FH-PA | 76498-952 6.3 cu.ft. Ref & 2.8 cu.ft. Frzr (179 L Ref & 80 L Frzr)

MPR-N250FSH-PA | 76498-9541 6.3 cu.ft. Ref & 2.8 cu.ft. Frzr (179 L Ref & 80 L Frzr)

3 year parts and labor warranty

Swinging Door Refrigerators

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.

+2°C to +14°C Refrigerators

MPR-1412-PA | 76355-510* 48.2 cu.ft. (1364 L)

MPR-1412R-PA | 76355-5121* 48.0 cu.ft. (1359 L)

MPR-722-PA | 76355-506* 24.2 cu.ft. (684 L)

MPR-722R-PA | 76355-5081* 23.7 cu.ft. (671 L)

MPR-N200H-PA | 76552-180* 7.6 cu.ft. (218 L)

3 year parts and labor warranty

Sliding Door Refrigerators

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.

+2°C to +14°C Refrigerators

MPR-1014-PA | 97035-150* 36.5 cu.ft. (1033 L)

MPR-1014R-PA | 97035-1521* 36.3 cu.ft. (1029 L)

MPR-S500H-PA | 76518-110* 19.5 cu.ft. (554 L)

MPR-S500RH-PA | 76518-112* 19.4 cu.ft. (550L)

MPR-S300H-PA | 76383-2982* 12.2 cu.ft. (345 L)

3 year parts and labor warranty

¹ Solid door model

¹ Pullout drawers

¹ Pullout wire baskets

² Optional pullout drawers

CO₂ and Multigas Incubators

CO₂ and multigas incubators from PHCbi brand include benchtop, stackable and reach in models in a variety of sizes to meet a wide range of culture conditions, space needs and decontamination methods. All MCO CO₂ and multigas incubators come standard with inCu-saFe®, a cooper enriched stainless alloy that mitigates contamination while remaining corrosion resistant and easy to clean.



Cell-IQ CO₂ Incubator with High Heat Sterilization

Cell-IQ CO₂ incubator with high heat sterilization provides precise and accurate cell culture conditions with a unique dual heat sterilization system. SafeCell™ UV continuously mitigates contamination after every door closure. Touchscreen provides user friendly control of parameters with gloved hands.

CO₂ Incubator

MCO-170AICUVDL-PA | 75856-512 5.8 cu.ft. (165 L)

3 year parts and labor, additional 5 year for CO₂ sensor parts only

Cell-IQ CO₂ Incubators with Vaporized H₂O₂ Decontamination

Cell-IQ CO_2 incubators with H_2O_2 decontamination provides the accuracy and precision of the MCO Cell-IQ line with the industry's fastest decontamination cycle.

CO₂ Incubators

MCO-170AICUVHL-PA | 76371-776¹ 5.8 cu.ft. (165 L)

MCO-230AICUVLG-PA | 76537-086² 8.1 cu.ft. (230 L)

MCO-170AICUVL-PA | 10119-820² 5.8 cu.ft. (165 L)

MCO-50AICL-PA | **76383-300**³ 1.8 cu.ft. (50 L)

3 year parts and labor, additional 5 year for CO₂ sensor parts only

¹ H₂O₂ decontamination standard

² H₂O₂ decontamination available

³ UV background decontamination and H₂O₂ decontamination available.

Cell-IQ Multigas Incubators

Cell-IQ multigas incubators are complete cell culture incubators for highly regulated applications like stem cell research, regenerative medicine and *in vitro*

Multigas Incubators

MCO-170MP-PA | 76383-302¹ 5.7 cu.ft. (161 L)

MCO-50M-PA | **76480-250**¹ 1.8 cu.ft. (50 L)

3 year parts and labor, additional 5 year for CO₂ sensor parts only

¹ UV background decontamination and H₂O₂ decontamination available.

CytoGrow Optimal Incubators

CytoGrow Optimal CO_2 incubators are ideal for cell culture and clinical based research applications with an optimum value.

CO₂ Incubators

MCO-170ACL-PA | 76371-772¹ 5.8 cu.ft. (165 L)

3 year parts and labor warranty

¹ Optional UV background decontamination

CytoGrow Reachin Incubator

The CytoGrow Reachin CO₂ incubator is engineered for accurate and precise cell culture conditions. Engineered with passive and active mitigation systems, the CytoGrow ReachIn incubator supports a greater capacity for large-scale cell cultures. Available with optional roller bottle apparatus ramp and reinforced shaker shelves.

CO₂ Incubator

MCO-80ICL-PA | 10046-928¹ 30.1 cu.ft. (851 L)

3 year parts and labor warranty

¹ Optional UV background decontamination

Laboratory Incubators and Plant Growth Chamber

Our selection of laboratory incubators and plant growth chambers are designed to achieve the highest level of reproducibility. MIR Series heated and refrigerated incubators are suitable for a wide range of applications that require precise temperature control. The humidified plant growth chamber allows for precise temperature control and programmable lighting.



MIR-554-PA | 97049-050

Heated and Refrigerated Microbiological Incubators

MIR series incubators are designed to facilitate a wide range of applications requiring setpoint temperatures from -10°C to +60°C. A selection of three cabinet sizes offers programmed operation and integrated alarms for a wide temperature range. Save up to 10 light and temperature programs with up to 12 steps. "Join mode" allows users to combine saved programs for automated testing protocols.

CO₂ Incubators

MIR-554-PA | **97049-050**

14.3 cu.ft. (406 L) -10°C to +60°C heat and cool

MIR-254-PA | 97015-590

8.4 cu.ft. (238 L) -10°C to +60°C heat and cool

MIR-154-PA | 97015-588

4.3 cu.ft. (123 L) -10°C to +60°C heat and cool

3 year parts and labor warranty



MLR-352H-PA | **10124-864**

Drosophila/Plant Growth Chamber

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.

CO₂ Incubators

MLR-352H-PA | 10124-864 10.4 cu.ft. (294 L)

3 year parts and labor warranty

LabAlert® Real-Time Monitoring & Notification System

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



What can be tracked?

ULT FREEZERS	LAB FREEZERS	LABREFRIGERATORS	INCUBATORS	GMP CLEAN ROOM	LN ₂ STORAGE
Temperature	Temperature	Temperature	• CO ₂ Concentra-	Temperature	Temperature
Door Status	Door Status	Door Status	tion	Humidity	
• 0-5V DC	• 0-5V DC	• 0-5V DC	Temperature	• Pressure	
• 4-20 mA	• 4-20 mA	• 4-20 mA	Humidity	Water level	

Laboratory Equipm	ent Parame	ters							
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	•	_	_	_	_	•	_	_	•



SIMPLICITY

Easy setup, affordable pricing, infinite scalability, and an intuitive user interface.

LabAlert makes advanced laboratory monitoring more accessible than ever!



SECURITY

LabAlert is always on watch. Receive instant alerts pushed directly to your cell phone the instant anything goes wrong. Easily customizable alerts are also available to help you meet the demands of your lab.



CONVENIENCE

Now checking on your lab is as easy as checking your email. All you need is a smart phone, tablet, or computer and you can access critical data from any location.

*Other parameters available.





PHC Corporation of North America

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