

COVID-19 Vaccine Development is Evolving

PHCbi HAS THE COLD CHAIN STORAGE YOU NEED



New vaccines are emerging in response to the COVID-19 pandemic. Early evidence suggests novel vaccine storage temperatures may require a wider range of the cold chain spectrum. Some vaccines may require multiple temperature storage points prior to administration. Are you prepared for emerging COVID-19 vaccine storage? PHCbi brand products can help¹.

PHCbi brand pharmaceutical refrigerators and biomedical freezers offer a comprehensive selection of storage solutions for high-value vaccines and other biologics. These cabinets are based on high performance refrigeration platforms engineered for reliability, temperature uniformity, fast temperature recovery and tolerance for real-world conditions.

¹ Proposed vaccine storage temperatures are based on initial data from various sources in the public domain at time of publication. Government agencies and individual vaccine manufacturers will mandate required product storage temperatures.

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Vaccine Storage Begins with Proper Product Selection

PHCbi pharmaceutical refrigerators and freezers satisfy any storage protocol or space requirement. Robust refrigeration systems and cabinet designs assure temperature uniformity, reliability and energy efficiency. All are engineered to maintain required temperatures for product viability and to achieve rapid temperature recovery after multiple door openings.

Ultra-Low Temperature Freezers



-60 °C to -86 °C Emerging Vaccine Types for COVID-19

For storage of mRNA, viral vector and non-replicating viral vector vaccines, as well as specimens.

VIP ULT

MDF-C8V1-PE

PRO ECO ULT

MDF-DU300H-PE

VIP ECO

MDF-DU502VH-PE

MDF-DU702VH-PE

MDF-DU901VHL-PE

TwinGuard

MDF-DU302VX-PE

MDF-DU502VX-PE

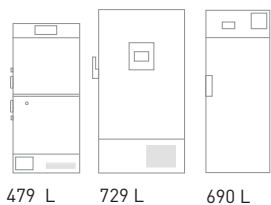
MDF-DU702VX-PE

MDF-DC500VX-PE

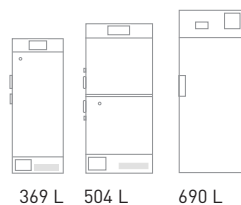
MDF-DC700VX-PE

Biomedical Freezers

-40 °C



-20 °C



-40 °C Vaccine Development Processes

Required for vaccine raw material storage and some pharmaceuticals.

MDF-MU549DH-PE

MDF-DU702VH-PE

MDF-U731M-PE

-20 °C Emerging Vaccine Types for COVID-19

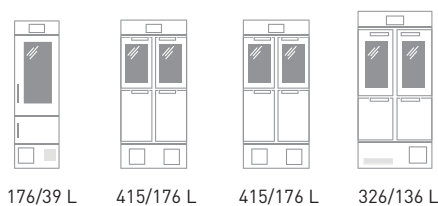
May be required for some emerging mRNA vaccines.

MDF-MU339HL-PE

MDF-MU539HL-PE

MDF-U731M-PE

Biomedical Ref. / Freezer Combo



+2 °C to +8 °C and -20 °C Storage for multiple vaccine types

Both refrigeration and -20°C freezing are established with independent refrigeration systems.

MPR-215F-PE

MPR-N450FH-PE

MPR-N450FHD-PE

MPR-715F-PE

Biomedical Refrigerators



+2° C to +8 °C Traditional and emerging vaccine storage

For short-term storage of vaccines days prior to administration.

MPR-S150H-PE

MPR-S300H-PE

MPR-514-PE

MPR-514R-PE

MPR-1014-PE

MPR-1014R-PE

MPR-722-PE

MPR-722R-PE

MPR-1412-PE

MPR-1412R-PE

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Specifications are subject to change without notice.

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