



INVENTORY SYSTEMS FOR ULTRA-LOW TEMPERATURE AND BIOMEDICAL FREEZERS

Rack Solutions:

Sliding Drawer | Fixed Side Access | Conical Tube | Microplate

Choose from a variety of racks, boxes, dividers and specialty storage systems.



Make Your Freezer Work for You.

PHCbi brand VIP® ECO ultra-low temperature freezer is one of 17 models available in both upright and chest configurations.

Optimize and simplify access to stored materials with inventory racks suitable for your application.

- Stainless steel construction designed to withstand a lifetime of use.
- Racks are available for use with plastic boxes and alternative storage preferences.
- Intuitive rack designs make it easy to access and return racks to the freezer.
- Maximum storage in freezer footprint. Racks are designed to work with standard and specialty boxes and dividers.
- Sized to fit the PHCbi family of upright and chest freezers.



SDR-624 sliding drawer inventory rack for 2" high water-repellent fiberboard inventory boxes.











Index:

- Upright Freezer Inventory Capacity
- Upright Freezer Racks
- Chest Freezer Inventory Capacity
- Chest Freezer Racks

- Inventory Boxes and Dividers
- Accessories

UPRIGHT FREEZER CAPACITY

Series: TwinGuard® | VIP ECO | VIP | PRO | Biomedical

	TwinGuard			VIP ECO			VIP	PRO		Biomedical
Volume (cu.ft. L)	12.7 360	18.6 528	25.7 729	18.6 528	25.7 729	29.8 845	25.7 728	17.1 483	23.5 668	24.4 690
Freezer Model	MDF-DU302VX-PA	MDF-DU502VXC-PA	MDF-DU702VXC-PA	MDF-DU502VH-PA MDF-DU502VHA-PA	MDF-DU702VH-PA MDF-DU702VHA-PA	MDF-DU901VHA-PA	MDF-U76VC-PA MDF-U76VA-PA	MDF-U55865C-PA	MDF-U75865C-PA	MDF-U731M-PA
Inventory Racks										
Columns x Rows	3 x 4	4 x 4	6 x 4	4 x 4	6 x 4	7 x 4	6 x 4	4 x 4	6 x 4	4 x 4
Total Rack Capacity	12	16	24	16	24	28	24	16	24	16



MDF-DU302VX-PA MDF-DU502VXC-PA MDF-DU702VXC-PA MDF-DU502VH-PA
MDF-DU502VHA-PA MDF-DU702VH-PA
MDF-DU702VHA-PA MDF-DU901VHA-PA MDF-U76VC-PA
MDF-U76VA-PA MDF-U55865C-PA MDF-U75865C-PA MDF-U731M-PA

Inventory with 2" Boxes											
Water-Repellent Fiberboard with Cell Dividers	2" (51 mm) High	240	384	576	384	576	672	576	320	480	384
100 Cell Divider	Opening 0.45" (11.4 mm)	24000	38400	57600	38400	57600	67200	57600	32000	48000	38400
Plastic Box with Cell Dividers	2" (51 mm) High Tubes	-	384	576	384	576	-	-	-	-	-



MDF-DU302VX-PA MDF-DU502VXC-PA MDF-DU702VXC-PA MDF-DU502VH-PA
MDF-DU502VHA-PA MDF-DU702VH-PA
MDF-DU702VHA-PA MDF-DU901VHA-PA MDF-U76VC-PA
MDF-U76VA-PA MDF-U55865C-PA MDF-U75865C-PA MDF-U731M-PA

Inventory with 3" Boxes											
Water-Repellent Fiberboard with Cell Dividers	3" (76 mm) High	144	256	384	256	384	448	384	192	288	256
100 Cell Divider	Opening 0.45" (11.4 mm)	14400	25600	38400	25600	38400	44800	38400	19200	28800	25600

Conical Tube Storage											
15 ml Tubes		-	2880	4320	2880	4320	5040	4320	-	-	2880
50 ml Tubes		-	1248	1872	1248	1872	2184	1872	-	-	1248
15 ml / 50 ml Combination		-	1440 / 624	2160 / 936	1440 / 624	2160 / 936	2520 / 1092	2160 / 936	-	-	1440 / 624

UPRIGHT FREEZER INVENTORY RACKS FOR 2" BOXES

Series: TwinGuard | VIP ECO | VIP | PRO | Biomedical

	TwinGuard			VIP ECO			VIP	PRO		Biomedical
Volume (cu.ft. L)	12.7 360	18.6 528	25.7 729	18.6 528	25.7 729	29.8 845	25.7 728	17.1 483	23.5 668	24.4 690
Freezer Model	MDF-DU302VX-PA	MDF-DU502VXC-PA	MDF-DU702VXC-PA	MDF-DU502VH-PA MDF-DU502VHA-PA	MDF-DU702VH-PA MDF-DU702VHA-PA	MDF-DU901VHA-PA	MDF-U76VC-PA MDF-U76VA-PA	MDF-U5586SC-PA	MDF-U7586SC-PA	MDF-U731M-PA

Sliding Drawer Inventory Racks for Plastic Inventory Box (2" High)												
Part #	W x D x H	Capacity	Maximum Capacity - Stainless Steel Sliding Inventory Racks Only									
SDR-624-P	5.50" x 22.37" x 13.33" 140.0 x 568.2 x 338.6 mm	Holds 24 Boxes, 6 High x 4 Deep	-	16	24	16	24	-	-	-	-	16

Sliding Drawer Inventory Racks for Water-Repellent Fiberboard Inventory Box (2" High)												
Part #	W x D x H	Capacity	Maximum Capacity - Stainless Steel Sliding Inventory Racks Only									
SDR-624	5.50" x 22.33" x 12.81" 140.0 x 567.2 x 325.4 mm	Holds 24 Boxes, 6 High x 4 Deep	-	16	24	16	24	28	-	-	-	-
SDR-524-N	5.50" x 22.33" x 11.37" 140.0 x 567.2 x 288.8 mm	Holds 20 Boxes, 5 High x 4 Deep	12	-	-	-	-	-	-	16	24	-

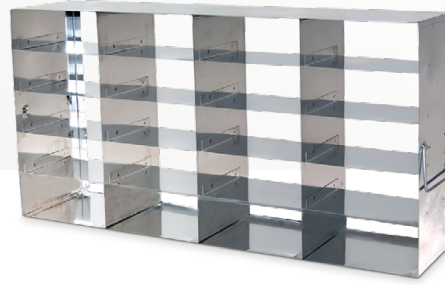
Fixed Side Access Inventory Racks for Plastic Inventory Box (2" High)												
Part #	W x D x H	Capacity	Maximum Capacity - Stainless Steel Fixed Side Access Inventory Racks Only									
SUR-624-P	5.50" x 22.27" x 13.10" 140.0 x 565.7 x 332.7 mm	Holds 24 Boxes, 6 High x 4 Deep	-	16	24	16	24	-	-	-	-	16

Fixed Side Access Inventory Racks for Water-Repellent Fiberboard Inventory Box (2" High)												
Part #	W x D x H	Capacity	Maximum Capacity - Stainless Steel Fixed Side Access Inventory Racks Only									
SUR-624-N	5.50" x 22.27" x 12.60" 140.0 x 565.7 x 320.0 mm	Holds 24 Boxes, 6 High x 4 Deep	-	16	24	16	24	28	-	-	-	16
SUR-524-N	5.50" x 22.27" x 10.95" 140.0 x 565.7 x 278.1 mm	Holds 20 Boxes, 5 High x 4 Deep	12	-	-	-	-	-	-	16	24	-

Note. Inventory racks designed for plastic boxes will generally accommodate fiberboard boxes. Racks designed for fiberboard boxes, however, generally will not accommodate plastic boxes.



SDR-524-N sliding drawer inventory rack for 2" high water-repellent fiberboard inventory boxes.



SUR-524-N fixed side access inventory rack for 2" high water-repellent fiberboard inventory boxes.



SDR-50-22 sliding drawer inventory rack for conical tube storage.

UPRIGHT FREEZER INVENTORY RACKS FOR 3" BOXES, CONICAL TUBES AND MICROPLATES

Series: TwinGuard | VIP ECO | VIP | PRO | Biomedical

	TwinGuard			VIP ECO			VIP	PRO		Biomedical
Volume (cu.ft. L)	12.7 360	18.6 528	25.7 729	18.6 528	25.7 729	29.8 845	25.7 728	17.1 483	23.5 668	24.4 690
Freezer Model	MDF-DU302VX-PA	MDF-DU502VXC-PA	MDF-DU702VXC-PA	MDF-DU502VH-PA MDF-DU502VHA-PA	MDF-DU702VH-PA MDF-DU702VHA-PA	MDF-DU901VHA-PA	MDF-U76VC-PA MDF-U76VA-PA	MDF-U5586SC-PA	MDF-U7586SC-PA	MDF-U731M-PA

Sliding Drawer Inventory Racks for Water-Repellent Fiberboard Inventory Box (3" High)												
Part #	W x D x H	Capacity	Maximum Capacity – Stainless Steel Sliding Drawer Inventory Racks Only									
SDR-434-N	5.50" x 22.33" x 12.63" 140.0 x 567.2 x 320.8 mm	Holds 16 Boxes, 4 High x 4 Deep	–	16	24	16	24	28	24	–	–	16
SDR-334-N	5.50" x 22.33" x 9.84" 140.0 x 567.2 x 249.9 mm	Holds 12 Boxes, 3 High x 4 Deep	12	–	–	–	–	–	–	16	24	–

Fixed Side Access Inventory Racks for Water-Repellent Fiberboard Inventory Box (3" High)												
Part #	W x D x H	Capacity	Maximum Capacity – Stainless Steel Side Access Inventory Racks Only									
SUR-434-N	5.50" x 22.27" x 12.60" 140.0 x 565.7 x 320.0 mm	Holds 16 Boxes, 4 High x 4 Deep	–	16	24	16	24	28	24	–	–	16
SUR-334-N	5.50" x 22.27" x 9.63" 140.0 x 565.7 x 244.6 mm	Holds 12 Boxes, 3 High x 4 Deep	12	–	–	–	–	–	–	16	24	–

Sliding Drawer Inventory Racks for Conical Tube Storage												
Part #	W x D x H	Tube Capacity	Maximum Capacity – Stainless Steel Sliding Inventory Racks Only									
SDR-15-22	5.50" x 22.08" x 9.93" 140.0 x 560.8 x 252.2 mm	Holds 180 - 15 ml Tubes, 2 Drawers	–	16	24	16	24	28	24	–	–	16
SDR-50-22	5.50" x 22.08" x 9.93" 140.0 x 560.8 x 252.2 mm	Holds 78 - 50 ml Tubes, 2 Drawers	–	16	24	16	24	28	24	–	–	16
SDR-15/50-22	5.50" x 22.08" x 9.93" 140.0 x 560.8 x 252.2 mm	Holds 90 - 15 ml Tubes and 39 - 50 ml Tubes, 2 Drawers	–	16	24	16	24	28	24	–	–	16

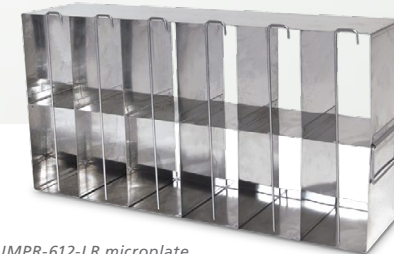
Microplate Racks												
Part #	W x D x H	Rack for Standard Plate with Foil Tape	Maximum Capacity									
SUMPR-611-LR	5.50" x 22.27" x 11.00" 140.0 x 565.7 x 279.4 mm	6 Columns w/ Locking Rod, 17 Plates per Column = 102 Plates with Cover Lids	12	–	–	–	–	–	–	16	24	–
SUMPR-612-LR	5.50" x 22.27" x 12.60" 140.0 x 565.7 x 320.0 mm	6 Columns w/ Locking Rod, 19 Plates per Column = 114 Plates with Cover Lids	–	16	24	16	24	28	24	–	–	16



SDR-434-N sliding drawer inventory rack for 3" high water-repellent fiberboard inventory boxes.



SUR-434-N fixed side access inventory rack for 3" high water-repellent fiberboard inventory boxes.



SUMPR-612-LR microplate rack for standard plate with foil tape.

CHEST FREEZER CAPACITY AND INVENTORY RACKS

Series: TwinGuard | VIP | Cryogenic

	TwinGuard	VIP	Cryogenic
Volume (cu.ft. L)	25.3 715	3.0 84	8.2 231
Freezer Model	MDF-DC700VXC-PA	MDF-C8V1-PA	MDF-C2156VANC-PA
Inventory Racks			
Columns x Rows	10 x 4	3 x 2	5 x 3
Total Rack Capacity	40	6	15



MDF-DC700VXC-PA MDF-C8V1-PA MDF-C2156VANC-PA

Inventory with 2" Boxes				
Water-Repellent Fiberboard with Cell Dividers	2" (51 mm) High	520	42	165* 150**
100 Cell Divider	Opening 0.45" (11.4 mm)	52000	4200	16500* 15000**

* Rack SCR-112-N holds 11 boxes maximum, cardboard boxes only.
** Rack SCR-102-N holds 10 boxes maximum, cardboard or plastic boxes.



MDF-DC700VXC-PA MDF-C8V1-PA MDF-C2156VANC-PA

Inventory with 3" Boxes				
Water-Repellent Fiberboard with Cell Dividers	3" (76 mm) High	360	30	105
100 Cell Divider	Opening 0.45" (11.4 mm)	36000	3000	10500

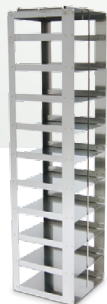
Microplates				
Standard Plate with Foil Tape in Racks		-	360	756
Standard Plate with Lid Cover in Racks		-	300	630

	TwinGuard	VIP	Cryogenic
Volume (cu.ft. L)	25.3 715	3.0 84	8.2 231
Freezer Model	MDF-DC700VXC-PA	MDF-C8V1-PA	MDF-C2156VANC-PA

Inventory Racks with Locking Rod for Water-Repellent Fiberboard Inventory Box (2" High)					
Part #	W x D x H	Capacity	Maximum Capacity – Inventory Racks with Locking Rod Only		
SCR-072-N	5.55" x 5.50" x 15.63" 141.0 x 140.0 x 397.0 mm	Holds 7 Boxes	-	6	-
SCR-102-N**	5.55" x 5.50" x 22.25" 141.0 x 140.0 x 565.2 mm	Holds 10 Boxes	-	-	15
SCR-112-N*	5.55" x 5.50" x 24.50" 141.0 x 140.0 x 622.3 mm	Holds 11 Boxes	-	-	15
SCR-132-N	5.55" x 5.50" x 28.60" 141.0 x 140.0 x 726.4 mm	Holds 13 Boxes	40	-	-

Inventory Racks with Locking Rod for Water-Repellent Fiberboard Inventory Box (3" High)					
Part #	W x D x H	Capacity	Maximum Capacity – Inventory Racks with Locking Rod Only		
SCR-053-N	5.55" x 5.50" x 15.93" 141.0 x 140.0 x 404.6 mm	Holds 5 Boxes	-	6	-
SCR-073-N	5.55" x 5.50" x 22.56" 141.0 x 140.0 x 573.0 mm	Holds 7 Boxes	-	-	15
SCR-093-N	5.55" x 5.50" x 28.88" 141.0 x 140.0 x 733.6 mm	Holds 9 Boxes	40	-	-

Microplate Racks					
Part #	W x D x H	Rack for Standard Plate with Foil Tape	Maximum Capacity – Stainless Steel Fixed Side Access Inventory Racks Only		
SCMP-5-LR	5.27" x 3.63" x 16.63" 133.9 x 92.2 x 422.4 mm	5 Levels w/ Locking Rod, 5 Plates per Level = 25 Plates with Cover Lids	-	12	-
SCMP-6-LR	5.27" x 3.63" x 19.88" 133.9 x 92.2 x 505.0 mm	6 Levels w/ Locking Rod, 5 Plates per Column = 30 Plates with Cover Lids	-	-	21
SCMP-8-LR	5.27" x 3.63" x 26.25" 133.9 x 92.2 x 666.8 mm	8 Levels w/ Locking Rod, 5 Plates per Column = 40 Plates with Cover Lids	60	-	-



SCR-102-N inventory rack for 2" high water-repellent fiberboard inventory boxes.



SCR-132-N inventory rack for 2" high water-repellent fiberboard inventory boxes.



SCR-053-N inventory rack for 3" high water-repellent fiberboard inventory boxes.



SCMP-6-LR microplate rack for standard plate with foil tape.



Model
MDF-C2156VANC-PA

INVENTORY BOXES, DIVIDERS AND ACCESSORIES

Series: TwinGuard | VIP ECO | VIP | PRO | Biomedical | Cryogenic

Inventory Boxes and Dividers

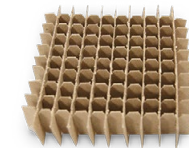
PHCbi offers additional inventory boxes and dividers. Boxes are white, water-repellent fiberboard. Cell dividers are water-repellent fiberboard.

Inventory Racks with Locking Rod for Water-Repellent Fiberboard Inventory Box (2" High)				
Part #	Description	W x D x H (in mm)		Cell Opening (in mm)
B2C-S100	Box with 100 Cell Divider	5.25 x 5.25 x 2.00	133.4 x 133.4 x 50.8	0.45 11.4
B2C-S81	Box with 81 Cell Divider	5.25 x 5.25 x 2.00	133.4 x 133.4 x 50.8	0.50 12.7
B2C	Box without Cell Divider	5.25 x 5.25 x 2.00	133.4 x 133.4 x 50.8	-
D100	100 Cell Divider	4.88 x 4.88 x 1.25	124.0 x 124.0 x 31.8	0.45 11.4
D81	81 Cell Divider	4.88 x 4.88 x 1.25	124.0 x 124.0 x 31.8	0.50 12.7
D64	64 Cell Divider	4.88 x 4.88 x 1.25	124.0 x 124.0 x 31.8	0.57 14.5

Inventory Racks with Locking Rod for Water-Repellent Fiberboard Inventory Box (3" High)				
Part #	Description	W x D x H (in mm)		Cell Opening (in mm)
B3C-S100	Box with 100 Cell Divider	5.25 x 5.25 x 3.00	33.4 x 133.4 x 73.7	0.45 11.4
B3C-S81	Box with 81 Cell Divider	5.25 x 5.25 x 3.00	33.4 x 133.4 x 73.7	0.50 12.7
B3C	Box without Cell Divider	5.25 x 5.25 x 3.00	33.4 x 133.4 x 73.7	-
D100	100 Cell Divider	4.88 x 4.88 x 1.25	124.0 x 124.0 x 31.8	0.45 11.4
D81	81 Cell Divider	4.88 x 4.88 x 1.25	124.0 x 124.0 x 31.8	0.50 12.7
D64	64 Cell Divider	4.88 x 4.88 x 1.25	124.0 x 124.0 x 31.8	0.57 14.5



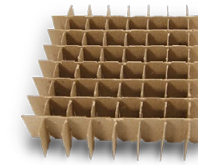
B2C-S100 2" Box with 100 Cell Divider (box lid not shown).



D100 100 Cell Divider for 2" Box



B3C-S81 3" Box with 81 Cell Divider.



D64 64 Cell Divider for 2" Box

LABALERT® MONITORING

A real-time monitoring and notification system will protect your process. LabAlert provides independent, wireless monitoring for a range of equipment. The secure, cloud-based solution offers comprehensive airflow monitoring with customizable dashboards for easy user interface. No software installation is required. Supports FDA 21 CFR Part 11 compliance. LabAlert is scalable to meet corporate enterprise standards for efficacy and safety. It works across multiple units, multiple locations and easily adapts to growing facilities.

SERVICES

PHC Corporation of North America offers a full line of pre-delivery and on-site calibration and validation services. Validation services range from process/manufacturing audits, quality compliance, risk assessment and software qualification. Advanced technology is integrated with contemporary processes for turnkey solutions using NIST calibrated instrumentation for validation and qualification in accordance with all current GxP Regulations (GMP, GLP, GCP), ISO, FDA 21 CFR Part 11, CAP, AABB, CLIA, USDA, local standards and other regulations.

Our calibration services are specially designed to verify quality compliance and ensure display accuracy to manufacturing and regulatory specifications. Procedures and documentation are designed to conform to NIST/ISO requirements. ISO/IEC 17025* calibration is available upon request.

We also offer installation and continued technical services. Visit www.phchd.com/us/biomedical/services to learn more.

*ISO/IEC 17025.2005 specifies the general competence to carry out testing and/or calibration including sampling. It covers testing and calibration performed using standard methods, non-standard methods and laboratory-developed methods. (Ref: ISO Website, May 2016).

ADDITIONAL PRODUCTS

PHCbi brand products also include energy efficient VIP ECO ENERGY STAR® Certified ultra-low temperature freezers, space saving VIP Series ultra-low temperature freezers, patented TwinGuard Series ultra-low temperature freezers, cryogenic and biomedical freezers, pharmacy and high performance refrigerators, cell culture CO₂ and CO₂/O₂ multigas incubators, portable autoclaves, cell processing work stations and Drosophila/plant growth chambers.

For more product information please call PHC Corporation of North America at 800-858-8442 or visit www.phchd.com/us/biomedical.



Specifications are subject to change without notice.
All dimensions are nominal. Slight differences may be expected due to rounding up or down .00 inches or .0 mm. For latest specification information contact PHC Corporation of North America at info@us.phchd.com.

PHC Corporation of North America
PHC Corporation of North America is a leader in laboratory equipment for biopharmaceutical, life sciences, academic, healthcare and government markets. The company is operated as a subsidiary of PHC Holdings Corporation, Tokyo, Japan, which is a global healthcare company involved in the three core businesses of Medical Devices, Healthcare IT and Life Sciences. www.phchd.com/us/biomedical.



PHC Corporation of North America
1300 Michael Drive, Suite A, Wood Dale, IL 60191
Toll Free USA (800) 858-8442, Fax (630) 238-0074
www.phchd.com/us/biomedical