HELMER® SCIENTIFIC
Ultra-Low Temperature Freezer Accessories

Racks | Boxes | Dividers | Canisters | Back-up Systems
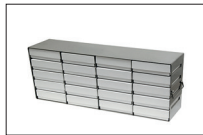
ULT Freezer Rack Systems

Helmer Scientific offers a wide range of ULT rack systems to safely store and organize your products, samples, and therapies. Designed to last, these storage systems are constructed from high-quality corrosion-resistant stainless steel and are offered in various configurations to categorize and maximize freezer capacity. Options include vial box racks, centrifuge tube racks, microplate racks, and red cell canister racks.

Vial Box Racks

Vial Box Rack
322098-1

Rack for 2" vial boxes, side access, 16 box capacity (4 high x 4 deep). Boxes and dividers included.

Vial Box Rack
322099-1

Rack for 2" vial boxes, side access, 20 box capacity (5 high x 4 deep). Boxes and dividers included.

Vial Box Rack
322100-1

Rack for 2" vial boxes, drawer access, 16 box capacity (4 high x 4 deep). Boxes and dividers included.

Vial Box Rack
322101-1

Rack for 2" vial boxes, drawer access, 20 box capacity (5 high x 4 deep). Boxes and dividers included.

Vial Box Rack
322102-1

Rack for 3" vial boxes, drawer access, 8 box capacity (2 high x 4 deep). Boxes and dividers included.

Vial Box Rack
322103-1

Adjustable rack for 2" or 3" vial boxes, side access. Boxes and dividers included.

Part No.	Dimensions in|mm | wxdxh	Storage	iUF118-GX	iUF126-GX
322098-1	5.5 x 22.125 x 8.875 140 x 562 x 225	Boxes per Rack Racks per Compartment Boxes per Freezer	16 4 320	16 6 480
322099-1*	5.5 x 22.125 x 11 140 x 562 x 280	Boxes per Rack Racks per Compartment Boxes per Freezer	20 4 352*	20 6 528*
322100-1	5.5 x 22.375 x 8.875 140 x 568 x 225	Boxes per Rack Racks per Compartment Boxes per Freezer	16 4 320	16 6 480
322101-1*	5.5 x 22.375 x 11 140 x 568 x 280	Boxes per Rack Racks per Compartment Boxes per Freezer	20 4 352	20 6 528
322102-1	5.5 x 22.375 x 6.3125 140 x 568 x 161	Boxes per Rack Racks per Compartment Boxes per Freezer	8 4 160	8 6 240
322103-1	5.5 x 22.375 x 8.875 140 x 569 x 225	Boxes per Rack Racks per Compartment Boxes per Freezer	16/8 4 320/160	16/8 6 480/240

Centrifuge Tube Racks

Tube Rack
322104-1

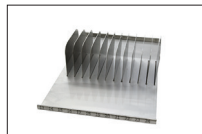Rack for storage of 15ml centrifuge tubes, drawer access, 80 tube capacity.

Tube Rack
322105-1

Rack for storage of 50ml centrifuge tubes, drawer access, 39 tube capacity.

Part No.	Dimensions in|mm | wxdxh	Storage	iUF118-GX	iUF126-GX
322104-1	5.5 x 22.375 x 4.9375 140 x 564 x 126	Tubes per Rack Racks per Compartment Tubes per Freezer	80 4 1600	80 6 2400
322105-1	5.5 x 22.375 x 4.9375 140 x 564 x 126	Tubes per Rack Racks per Compartment Tubes per Freezer	39 4 780	39 6 1170

Red Cell Canister Racks

Vertical Rack
401256-1

For storage of red cell canisters at ultra-cold temperatures.
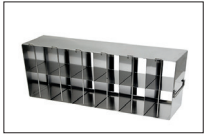

Horizontal Rack
401257-1

For processing/ freezing red cells in canisters at ultra-cold temperatures.

Part No.	Dimensions in | wxdxh	Storage	iUF118-GX	iUF126-GX
401256-1	11.2 x 16.3 x 4	Canisters per Rack Racks per Compartment Canisters per Freezer	12 2 120	12 2 120
401257-1	10 x 15.2 x 4.2	Canisters per Rack Racks per Freezer	3 1	3 1

*For use in bottom 2 compartments.
NOTE: Optimized storage in GX ULT includes 4-high racks on top 3 shelves, 5-high racks on bottom 2 shelves.

Microtiter Plate Racks

Microplate Rack
322106-1

Rack for 96 and 384-well microtiter plates, side access, with locking rod.

Microplate Rack
322107-1

Rack for 96 deep-well microtiter plates, side access, with locking rod.

Microplate Rack
322108-1

Rack for 96 and 384-well microtiter plates, drawer access.

Microplate Rack
322109-1

Rack for 96 deep-well microtiter plates, drawer access.

Part No.	Dimensions in|mm | wxdxh	Storage	iUF118-GX	iUF126-GX
322106-1*	5.5 x 22.5 x 11 140 x 571 x 280	Plates per Rack Racks per Compartment Plates per Freezer	96 w/ lid / 120 w/o lid 4 1920/2400	96 w/ lid / 120 w/o lid 6 2880/3600
322107-1	5.5 x 22.5 x 7.5 140 x 571 x 191	Plates per Rack Racks per Compartment Plates per Freezer	24 4 480	24 6 720
322108-1	5.4375 x 21.75 x 5.3125 138 x 552 x 186	Plates per Rack Racks per Compartment Plates per Freezer	54 w/ lid / 72 w/o lid 4 1080/1440	54 w/ lid / 72 w/o lid 6 1620/2160
322109-1	5.4375 x 21.75 x 8.0625 138 x 552 x 205	Plates per Rack Racks per Compartment Plates per Freezer	24 4 480	24 6 480

*For use in bottom 2 compartments

ULT Freezer Backup Systems

CO2 Backup System
220628

Protects inventory due to power outage or equipment failure, maintaining temperature down to -60°C using CO2.

- Connects to facility's existing infrastructure for carbon dioxide (CO2) gas delivery
- Injects gas into freezer when temperature threshold has been reached
- System designed to maintain temperature down to -60°C with one 50 lb cylinder of CO2 for a minimum of 10 hours
- Independent display/control module
- Backup battery
- Door safety interlock switch prevents injection while door is open
- Freezer connection hardware *Does not include gas

LN2 Backup System
220629

Protects inventory due to power outage or equipment failure, maintaining temperature down to -65°C using LN2.

- Connects to facility's existing infrastructure for liquid nitrogen(LN2) gas delivery
- Injects gas into freezer when temperature threshold has been reached
- System designed to maintain temperature down to -65°C with one 65 liter cylinder of LN2 for at least 48 hours
- Independent display/control module
- Backup battery
- Door safety interlock switch prevents injection while door is open
- Freezer connection hardware *Does not include gas

Vial Boxes | Dividers | Canisters

Description	Part No.	Quantity
Fiberboard Vial Box - 2" (51mm) 5.25 x 5.25" (133 x 133mm)	322096-1	1
Fiberboard Vial Box - 3" (75mm) 5.25 x 5.25" (133 x 133mm)	322097-1f	1
Plastic Vial Box - 2" (47mm) 5.12 x 5.12 (130 x 130) Autoclavable molded box w/ transparent lid, 9x9 divider and location ID.	220620 white 220621 blue 220622 green 220623 pink	1
Fiberboard Grid Dividers 9x9, 0.5" cell 13mm vials (81)	220618	1
Fiberboard Grid Dividers 10x10, 0.45" cell 12mm vials (100)	220619	1
Red Cell Canister 2000 ml bags 14.8 x 9.2 x 0.8 (376x234x20mm)	322110-1	1

Additional Accessories

Description		Part No.
Cryo Gloves	Small	220624
	Medium	220625
	Large	220626
	Extra Large	220627
Chart Paper 4" (102mm) diameter, -100°C to -40°C, pkg of 52		800197-1
Remote Alarms Extends alarm range for 1 device/zone or up to 4 devices/zones		500607-1 RA1 500608-1 RA4
USB Flash Drive		120640
i.C3° Screen Protectors (pkg of 3)		450007-1