

# ULTRA-LOW TEMPERATURE FREEZER RACK SOLUTIONS

**Ansprechpartner für Beratung, Vertrieb und Service:**

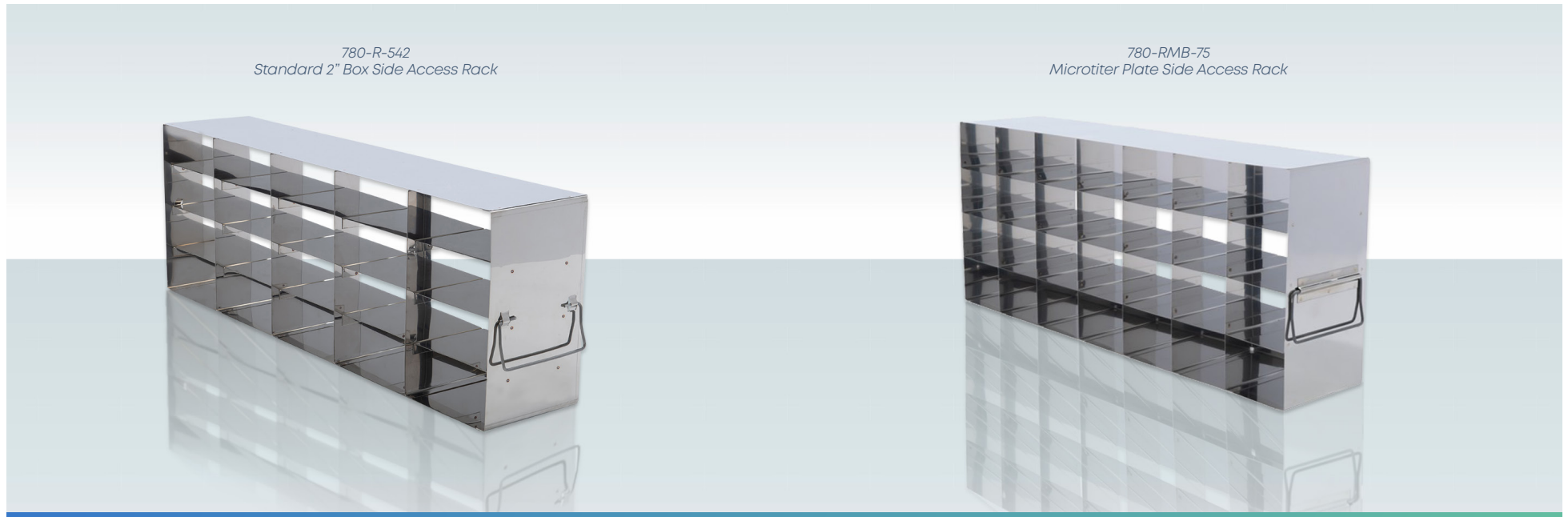


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780-R-542  
Standard 2" Box Side Access Rack

780-RMB-75  
Microtiter Plate Side Access Rack

## Ultra-Low Temperature Storage Rack Solutions

**Stirling Ultracold** offers a comprehensive portfolio of stainless steel rack solutions for your ultra-low temperature (ULT) freezer.

### BENEFITS:

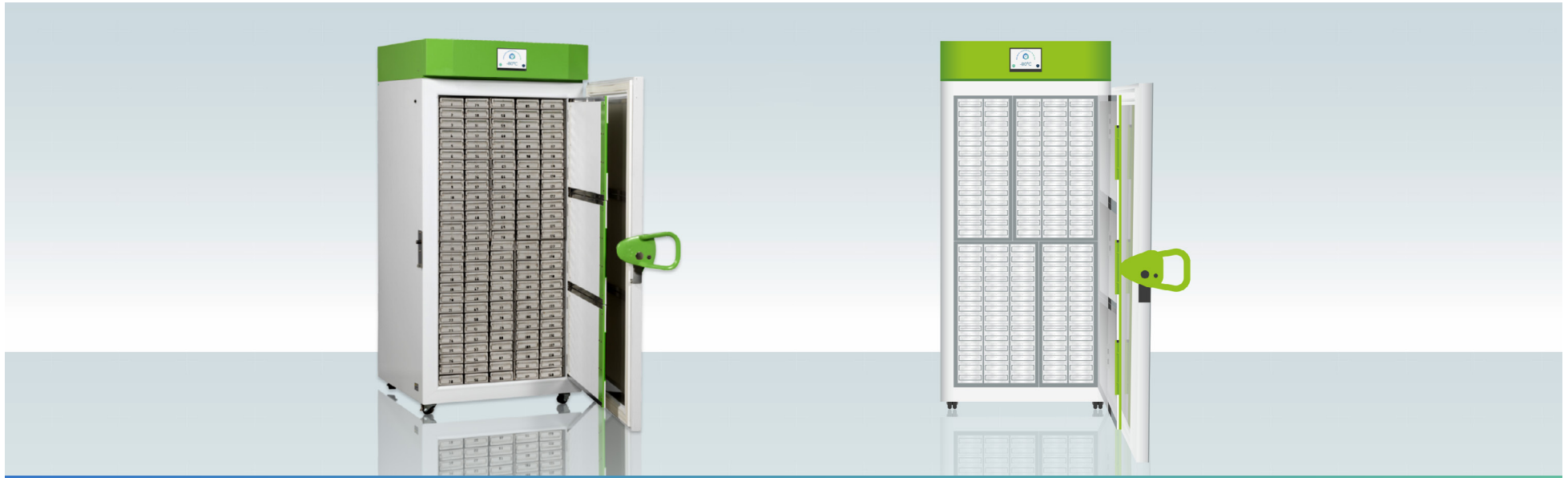
- Organize the freezer to simplify sample selection and reduce sort time.
- Optimize freezer space to maximize payload.
- Protect samples from handling and impact damage.
- Lifetime warranty on workmanship.



Stirling Part #	Description	Exterior Dimensions			Rack Capacity	SU780XLE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH		
780-R-542	2" Box Side Access Rack.	9.2" 233.7mm	27" 685.8mm	5.5" 139.7mm	20 boxes 4 high x 5 deep	30 racks, 600 boxes 5 shelves, 6 compartments
780-R-542-81	2" Box Side Access Rack. Boxes and 81 cell dividers included.	9.2" 233.7mm	27" 685.8mm	5.5" 139.7mm	20 boxes 4 high x 5 deep	30 racks, 600 boxes 5 shelves, 6 compartments
780-DR-542	2" Box Drawer Style Rack.	9.34" 237.2mm	27" 685.8mm	5.5" 139.7mm	20 boxes 4 high x 5 deep	30 racks, 600 boxes 5 shelves, 6 compartments
780-DR-542-81	2" Box Drawer Style Rack. Boxes and 81 cell dividers included.	9.34" 237.2mm	27" 685.8mm	5.5" 139.7mm	20 boxes 4 high x 5	30 racks, 600 boxes 5 shelves, 6 compartments



Stirling Part #	Description	Exterior Dimensions			Rack Capacity	SU780XLE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH		
780-R-542-100S	2" Special Box Side Access Rack with 10x10 dividers. Boxes and dividers included.	8.85" 225mm	27.4" 696mm	5.5" 139.7mm	20 boxes 4 high x 5 deep	30 racks, 600 boxes 5 shelves, 6 compartments
780-RHT-44	2" Box Side Access Rack for 100-cell hinged top plastic boxes. Rack only.	9.22" 234.1mm	25.25" 641.3mm	5.88" 149.3mm	16 boxes 4 high x 4 deep	24 racks, 384 boxes 5 shelves, 6 compartments
780-DRHT-44	2" Box Drawer Style Rack for 100-cell hinged top plastic boxes. Rack only.	9.75" 247.6mm	25.05" 636.2mm	5.87" 149.1mm	16 boxes 4 high x 4 deep	20 racks, 320 boxes 4 shelves, 5 compartments



Stirling Part #	Description	Rack Capacity	SU780XLE Freezer Capacity & Layout
780-HD2-700	High-Density Storage Solution to complete the SU780XLE upright freezer; 4-tower, 10-column, stackable sliding tray system for standard 2" boxes.	700 boxes*	700 boxes*; 4-tower, 10-column system. No shelves required.

\*To keep the vacuum release port unobstructed on the SU780XLE, it is recommended that one box be removed from the High-Density Storage Rack. This will reduce storage capacity to 699 2-inch boxes in the high-density configuration.



780-DR-533: 3" Box Drawer Style Rack

780-R-533: 3" Box Side Access Rack SU780XLE Layout

780-DR-533: 3" Box Drawer Rack SU780XLE Layout



Stirling Part #	Description	Exterior Dimensions			Rack Capacity	SU780XLE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH		
780-R-533	3" Box Side Access Rack.	9.44" 240mm	26.5" 674.4mm	5.5" 139.7mm	15 boxes 3 high, 5 deep	30 racks, 450 boxes 5 shelves, 6 compartments
780-R-533-81	3" Box Side Access Rack. Boxes and 81 cell dividers included.	9.44" 240mm	26.5" 674.4mm	5.5" 139.7mm	15 boxes 3 high, 5 deep	30 racks, 450 boxes 5 shelves, 6 compartments
780-DR-533	3" Box Drawer Style Rack.	10.06" 255.6mm	26.5" 674.4mm	5.5" 139.7mm	15 boxes 3 high, 5 deep	25 racks, 375 boxes 4 shelves, 5 compartments
780-DR-533-81	3" Box Drawer Style Rack. Boxes and 81 cell dividers included.	10.06" 255.6mm	26.5" 674.4mm	5.5" 139.7mm	15 boxes 3 high, 5 deep	25 racks, 375 boxes 4 shelves, 5 compartments

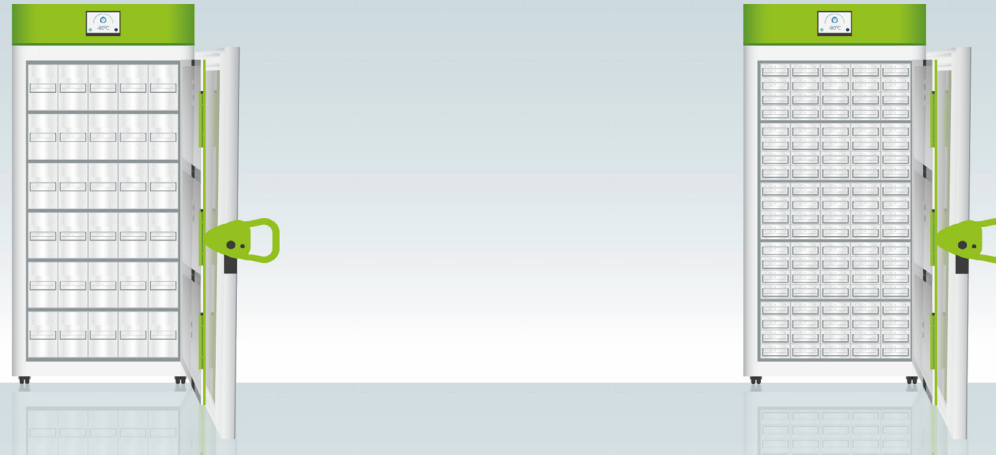


Stirling Part #	Description	Exterior Dimensions			Slot Dimensions			Rack Capacity	SU780XLE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH	HEIGHT	DEPTH	WIDTH		
780-RMP-719	Microtiter Plate Side Access Rack.	9.22" 234.2mm	25.57" 649.7mm	5.5" 139.7mm	9.12" 231.6mm	3.56" 90.4mm	5.44" 138.1mm	112 Well Plates 35 Deep Well Plates	30 racks, 1050 Deep Well Plates or 3360 Well Plates, 5 shelves, 6 compartments
780-RMP-719-LR	Microtiter Plate Side Access Rack with locking rod.	9.22" 234.2mm	25.57" 649.7mm	5.5" 139.7mm	9.12" 231.6mm	3.56" 90.4mm	5.44" 138.1mm	112 Well Plates 35 Deep Well Plates	30 racks, 1050 Deep Well Plates or 3360 Well Plates, 5 shelves, 6 compartments
780-RMB-75	Microtiter Plate Side Access Rack with individual plate slots.	9.22" 234.2mm	25.57" 649.7mm	5.5" 139.7mm	1.81" 45.9mm	3.56" 90.4mm	5.44" 138.1mm	35 Deep Well Plates 5 high x 7 deep	30 racks, 1050 Deep Well Plates or 3360 Well Plates, 5 shelves, 6 compartments



780-RMB-74 & 780-R-76-PCR:  
Microtiter Plate Side Access Racks SU780XLE Layout

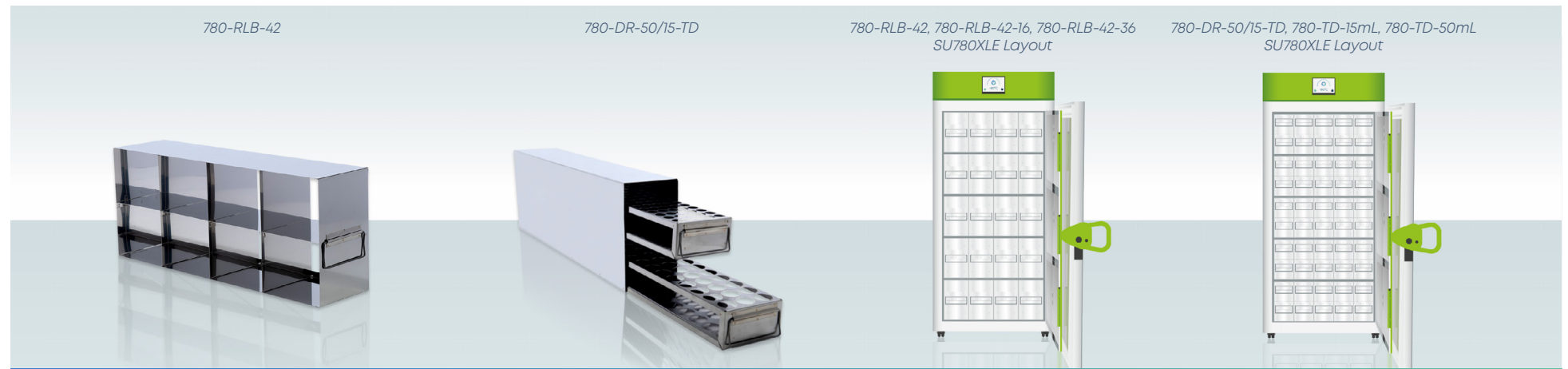
780-DRMB-74 & 780-DRMB-75:  
Microtiter Plate Drawer Racks SU780XLE Layout



Stirling Part #	Description	Exterior Dimensions			Slot Dimensions			Rack Capacity	SU780XLE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH	HEIGHT	DEPTH	WIDTH		
780-RMB-74	Microtiter Plate Side Access Rack.	9.22" 234.1mm	25.58" 649.7mm	5.5" 139.7mm	2.25" 57.1mm	3.56" 90.4mm	5.44" 138.1mm	28 plates 4 high x 7 deep	30 racks, 840 plates 5 shelves, 6 compartments
780-R-76-PCR	Microtiter Plate 2mL Tube PCR Work Boxes Side Access Rack.	9.22" 234.1mm	25.28" 649.7mm	5.5" 139.7mm	1.5" 38.1mm	3.56" 90.4mm	5.44" 138.1mm	42 plates 6 high x 7 deep	30 racks, 1260 plates 5 shelves, 6 compartments
780-DRMB-74	Microtiter Plate Drawer Style Rack.	9.62" 244.3mm	25.59" 649.9mm	5.47" 138.9mm	2.22" 56.3mm	3.56" 90.4mm	5.27" 133.8mm	28 plates 4 high x 7 deep	25 racks, 700 plates 4 shelves, 5 compartments
780-DRMB-75	Microtiter Plate Drawer Style Rack.	10.14" 257.5mm	25.59" 649.9mm	5.47" 138.9mm	1.83" 46.4mm	3.56" 90.4mm	5.27" 133.8mm	35 plates 5 high x 7 deep	25 racks, 875 plates 4 shelves, 5 compartments



Stirling Part #	Description	Exterior Dimensions			Slot Dimensions			Rack Capacity	SU780XLE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH	HEIGHT	DEPTH	WIDTH		
780-UTB73-Rack	Micronic Plate Side Access Rack.	7.2" 182.8mm	25.76" 654.3mm	5.5" 139.7mm	2.38" 60mm	3.56" 90.4mm	5.44" 138.1mm	21 plates 3 high x 7 deep	805 Micronic Plates Qty 5: 780-UTB73-Rack Qty 25: 780-UTB74-Rack 5 shelves, 6 compartments
780-UTB74-Rack	Micronic Plate Side Access Rack.	9.72" 246.8mm	25.58" 649.7mm	5.5" 139.7mm	2.38" 60mm	3.56" 90.4mm	5.44" 138.1mm	28 plates 4 high x 7 deep	

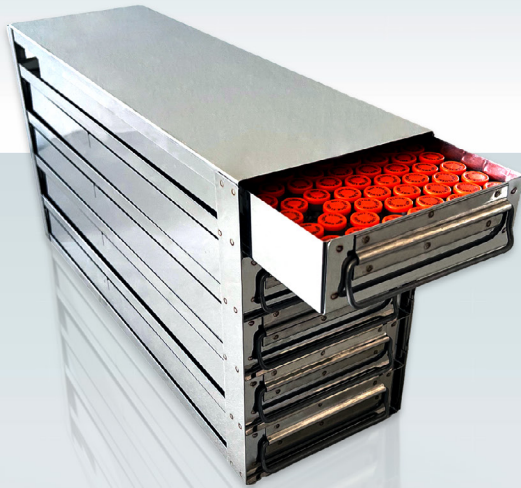


Stirling Part #	Description	Exterior Dimensions			Slot Dimensions			Rack Capacity	SU780XLE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH	HEIGHT	DEPTH	WIDTH		
780-RLB-42	4.75" Box Side Access Rack for 15/50mL tubes. Rack only.	9.85" 250.1mm	24.27" 616.4mm	5.88" 149.3mm	4.88" 123.9mm	5.92" 149.8mm	5.85" 148.5mm	8 boxes 2 high x 4 deep	20 racks, 160 boxes 5 compartments, 4 shelves
780-RLB-42-16	4.75" Box Side Access Rack for 50mL tubes. Boxes and 16 cell dividers included.	9.85" 250.1mm	24.27" 616.4mm	5.88" 149.3mm	4.88" 123.9mm	5.92" 149.8mm	5.85" 148.5mm	8 boxes 2 high x 4 deep 128 50mL tubes	2560 50mL tubes, 20 racks, 160 boxes, 5 compartments, 4 shelves
780-RLB-42-36	4.75" Box Side Access Rack for 15mL tubes Side Access Rack. Boxes and 36 cell dividers for 15 mL tubes included.	9.85" 250.1mm	24.27" 616.4mm	5.88" 149.3mm	4.88" 123.9mm	5.92" 149.8mm	5.85" 148.5mm	8 boxes, 2 high x 4 deep 288 15mL tubes	5760 15mL tubes 20 racks, 160 boxes 5 compartments, 4 shelves
780-DR-50/15-TD	15 and 50mL Tubes Side Drawer Rack. One drawer for 15 and one drawer for 50mL.	9.93" 252.2mm	26.74" 678.1mm	5.45" 138.4mm	N/A	15mL: .875" / 22.2mm 50mL: 1.37" / 34.7mm	15mL: .875" / 22.2mm 50mL: 1.37" / 34.7mm	110 15mL tubes 48 50mL tubes	2750 15mL, 1200 50mL tubes 25 racks, 5 compartments, 4 shelves
780-TD-15mL	15mL Tube Drawer Style Rack.	9.93" 252.2mm	26.74" 678.1mm	5.45" 138.4mm	N/A	875"/22.2mm	875"/22.2mm	220 15mL tubes	5500 15mL tubes, 25 racks 5 compartments, 4 shelves
780-TD-50mL	50mL Tube Drawer Style Rack.	9.93" 252.2mm	26.74" 678.1mm	5.45" 138.4mm	N/A	1.37"/34.7mm	1.37"/34.7mm	96 50mL tubes	2400 50mL tubes, 25 racks 5 compartments, 4 shelves



Stirling Part #	Description	Exterior Dimensions			Rack Capacity	SU105UE Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH		
105-R-342	2" Box Side Access Rack.	9.25" 234.9mm	16.54" 420.1mm	5.5" 139.7mm	12 boxes 4 high x 3 deep	6 racks, 72 boxes 1 shelf, 2 compartments
105-R-342-81	2" Box Side Access Rack. Boxes and 81 cell dividers included.	9.25" 234.9mm	16.54" 420.1mm	5.5" 139.7mm	12 boxes 4 high x 3 deep	6 racks, 72 boxes 1 shelf, 2 compartments
105-DR-342	2" Box Drawer Style Rack.	9.25" 234.9mm	16.54" 420.1mm	5.5" 139.7mm	12 boxes 4 high x 3 deep	6 racks, 72 boxes 1 shelf, 2 compartments
105-DR-342-81	2" Box Drawer Style Rack. Boxes and 81 cell dividers included.	9.25" 234.9mm	16.54" 420.1mm	5.5" 139.7mm	12 boxes 4 high x 3 deep	6 racks, 72 boxes 1 shelf, 2 compartments
105-R-333	3" Box Side Access Rack.	9.64" 244.8mm	17" 431.8mm	5.5" 139.7mm	9 boxes 3 high x 3 deep	6 racks, 54 boxes 1 shelf, 2 compartments
105-R-333-81	3" Box Side Access Rack. Boxes and 81 cell dividers included.	9.64" 244.8mm	17" 431.8mm	5.5" 139.7mm	9 boxes 3 high x 3 deep	6 racks, 54 boxes 1 shelf, 2 compartments
105-DR-333	3" Box Drawer Style Rack.	9.87" 250.6mm	16.54" 420.1mm	5.5" 139.7mm	9 boxes 3 high x 3 deep	6 racks, 54 boxes 1 shelf, 2 compartments
105-DR-333-81	3" Box Drawer Style Rack. Boxes and 81 cell dividers included.	9.87" 250.6mm	16.54" 420.1mm	5.5" 139.7mm	9 boxes 3 high x 3 deep	6 racks, 54 boxes 1 shelf, 2 compartments

SU105-R6T30-Kit SU105UE Vial Storage Rack



ULT25-R1T7-Kit ULT25NEU Vial Storage Rack

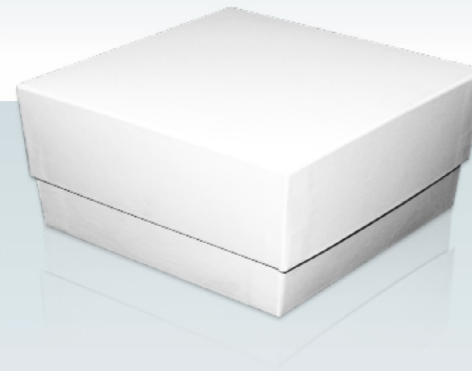


Stirling Part #	Description	Exterior Dimensions			Rack Capacity	SU105UE and ULT25NEU Freezer Capacity & Layout
		HEIGHT	DEPTH	WIDTH		
SU105-R6T30-Kit	SU105UE Vial Storage Kit. Designed to maximize 2mL vial payload in the SU105UE.	9.12" 231.6mm	16.54" 420.1mm	5.49" 139.4mm	1000 2mL vials	6000 2mL vials: 6 racks, 30 trays, 200 vials per tray
ULT25-R1T7-Kit	ULT25NEU Vial Storage Kit. Designed to maximize 2mL vial payload in the ULT25NEU.	12.1" 307.3mm	11.72" 297.68mm	8.5" 215.9mm	1400 2mL vials	1400 2mL vials: 1 rack, 7 trays, 200 vials per tray



780-CB2-81: Standard 2" Box with 81 Cell Divider

780-CB3-81: Standard 3" Box with 81 Cell Divider



Stirling Part #	Description	Exterior Dimensions		
		HEIGHT	DEPTH	WIDTH
780-CB2-81	2" Box with 81 Cell Divider.	2" / 50.8mm	5.25" / 133.4mm	5.25" / 133.4mm
780-CB3-81	3" Box with 81 Cell Divider.	3" / 76.2mm	5.25" / 133.4mm	5.25" / 133.4mm
D81	81 Cell Divider.		N/A	
D100L	100 Cell Divider for 2" and 3" cardboard box.		N/A	

# Custom Rack Solutions



Stirling Ultracold has the ability to customize racks based on your storage requirements for both Stirling Ultracold freezers and other ULT manufacturers.

## Customization data requirements & process:

- Technical Data Sheet of the tube, box or plate being stored with dimensions.
- Technical Data Sheet for the interior cabinet of the freezer (Non-Stirling only).
- The number of racks required and requested delivery date.
- A rack drawing/specification is created for review by the customer.
- Customer purchase order is placed and production begins.



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