

thermo scientific



Thermo Scientific CryoPlus Sample Storage Systems

High performance cryogenic sample protection

ThermoFisher
SCIENTIFIC

Protect your precious samples

Invest in long-term cryogenic storage solutions

Thermo Scientific™ CryoPlus™ series provides the perfect combination of liquid nitrogen storage reliability and microprocessor technology. Storage capacities of up to 38,500 2.0 mL vials (8,450 to 65,910 Thermo Scientific™ Nunc™ CryoBank™ vials) make the most of your laboratory storage space.

Storage System Features

- **Natural liquid nitrogen** ensures sample safety either in liquid- or in vapor-phase storage even when electricity is lost. Samples remain protected much longer during power outages than alternative technologies
- Microprocessor-controlled **auto-filling system** and alarm features secure reliable long-term storage for your peace of mind
- As per your sample storage requirements you can choose from **four available sizes**
- **Maximise storage capacity** with a broad selection of racks and accessories



Available in four sizes the CryoPlus system provides flexibility for your sample storage needs.



Information Center
alarm center

Control Center
temperature
alarm level
set-points

**LN₂ fill
Notification**
and manual
over-ride

Security Section
lock and unlock of
control functions

Order information

Model	Order No.	LN ₂ Capacity (liters)	Vial Capacity 1.2-2.0 QLQ (CryoBank)	Inner Tank Diameter cm	Exterior Dimensions ¹ H x W x D cm	Weight			Static Evaporation Rate ^{III}
						Empty	Full ^{IV}	Shipping	
CryoPlus 1	7401	90	4,400 ¹ 6,318 ² (8,450 ^{3,4})	40.6	104.1 x 54.6 x 66	97.1 kg	160.6 kg	117.9 kg	~ 4 L/d
CryoPlus 2	7403	200	11,000 ¹ 13,500 ³ (22,815 ^{3,4})	61	104.1 x 72.4 x 86.4	147.4 kg	308.4 kg	217.7 kg	~ 6 L/d
CryoPlus 3	7405	340	18,700 ¹ 23,000 ³ (38,870 ^{3,4})	78.7	104.1 x 87.6 x 105.4	188.7 kg	463.1 kg	249 kg	~ 9 L/d
CryoPlus 4	7407	552	31,900 ¹ 39,000 ³ (65,910 ^{3,4})	110.3	119.4 x 110.5 x 127	371.9 kg	734.8 kg	484.3 kg	~ 12 L/d

All Instruments

- have regulatory listings: CFDA, cULUS and CE conformity
- fit to main supply of 208 ... 230 V, 50 / 60 Hz; 230 V: CEE 7/7 Plug (Europe)
- come with flexible hose included, 1/2" 45 degree flare, 1.2 m flexible hose included for model 7401 and 1.8 m hose for all other models
- require low pressure (22 psi) supply tank for LN₂ supply

¹ Storage in vapor phase (< -180°C) using rack no. 4000001

² Using arrowhead racks no. 4000044

³ Using vertical racks no. 4000012 and dense storage tube boxes

⁴ Using Nunc Dense storage boxes (196-cell) and 1 mL Cryobank tubes

^I All tanks have 69.9 cm interior height

^{II} Add 12-15 cm for utilities on the rear and clearance of open lid. CryoPlus 4 has a total height of 237.5 cm with the lid open

^{III} Rate is based on new container performance. Actual performance may vary with individual applications. Excludes supply tank evaporation rate

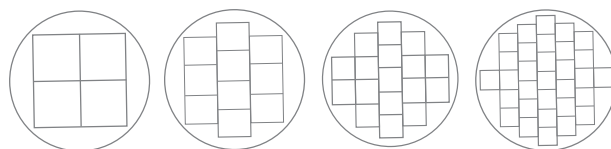
^{IV} Full value does not include racks and shipment

Typical vapor phase storage sets

Set with...	CryoPlus	Platform Riser	Full Set of Storage Racks for 2 mL Storage Tubes	RJ-11 Cable
CryoPlus 1	7401	4000060	4 x 4000001	400142
CryoPlus 2	7403	4000060	10 x 4000001	400142
CryoPlus 3	7405	4000063	17 x 4000001	400142
CryoPlus 4	7407	4000066	29 x 4000001	400142



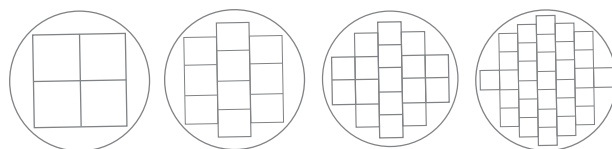
Racks and accessories



Square Racks for Liquid Phase Storage

Model No. & Description		Dimensions H x W x D in. (cm)	Storage	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
	4000006*	27.4 x 5.5 x 5.63 (69.6 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	13	13	13	13
			Vials per box	100	100	100	100
			Vials per vessel	5,200	13,000	22,100	37,700
	4000007	27.4 x 5.5 x 5.63 (69.6 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes stainless steel boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	13	13	13	13
			Vials per box	100	100	100	100
			Vials per vessel	5,200	13,000	22,100	37,700
	4000042	26 x 5.5 x 5.63 (66 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	12	12	12	12
			Vials per box	100	100	100	100
			Vials per vessel	4,800	12,000	20,400	34,800
	4000008	25.4 x 5.5 x 5.63 (64.5 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes cardboard boxes and cardboard dividers for 4 mL vials		Boxes per rack	8	8	8	8
			Vials per box	100	100	100	100
			Vials per vessel	3,200	8,000	13,600	23,200
	4000009	25.4 x 5.5 x 5.63 (64.5 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes stainless steel boxes and cardboard dividers for 4 mL vials		Boxes per rack	8	8	8	8
			Vials per box	100	100	100	100
			Vials per vessel	3,200	8,000	13,600	23,200
	4000010	26.6 x 5.5 x 5.63 (67.6 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes cardboard boxes and cardboard dividers for 5 mL vials		Boxes per rack	7	7	7	7
			Vials per box	100	100	100	100
			Vials per vessel	2,800	7,000	11,900	20,300

*Rack no. 4000006 will not accommodate polycarbonate boxes; use rack no. 4000042 instead.



Square Racks for Vapor Phase Storage

Model No. & Description		Dimensions H x W x D in. (cm)	Storage	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
	4000001	23.9 x 5.5 x 5.63 (60.7 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	11	11	11	11
			Vials per box	100	100	100	100
			Vials per vessel	4,400	11,000	18,700	31,900
	4000002	23.9 x 5.5 x 5.63 (60.7 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes stainless steel boxes for 1.5/2 mL vials		Boxes per rack	11	11	11	11
			Vials per box	100	100	100	100
			Vials per vessel	4,400	11,000	18,700	31,900
	4000003	22.3 x 5.5 x 5.63 (56.6 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes cardboard boxes and cardboard dividers for 4 mL vials		Boxes per rack	7	7	7	7
			Vials per box	100	100	100	100
			Vials per vessel	2,800	7,000	11,900	20,300
	4000004	22.3 x 5.5 x 5.63 (56.6 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes stainless steel boxes and cardboard dividers for 4 mL vials		Boxes per rack	7	7	7	7
			Vials per box	100	100	100	100
			Vials per vessel	2,800	7,000	11,900	20,300
	4000005	22.8 x 5.5 x 5.63 (57.9 x 14 x 14.3)	Racks per vessel	4	10	17	29
	Rack includes cardboard boxes and cardboard dividers for 5 mL vials		Boxes per rack	6	6	6	6
			Vials per box	100	100	100	100
			Vials per vessel	2,400	6,000	10,200	17,400

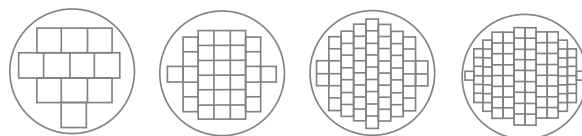
Specialty Racks

	4000379	23.9 x 5.5 x 5.63 (60.7 x 14 x 14.3)	Racks per vessel	4	10	17	29
	SUC-1 rack for cane storage (includes canisters #4000176)		Canisters per rack	8	8	8	8
			Canes per canister	25	25	25	25
			Canes per vessel	800	2,000	3,400	5,800

Platform Risers Required for Racks in Vapor Phase Storage

	3.5" riser for use with 4000001, 4000002, and 4000379 racks	4000060	4000060	4000063	4000066
	4" riser for use with 4000005 racks	4000056	4000062	4000065	4000068
	5" riser for use with 4000003 and 4000004 racks	4000061	4000061	4000064	4000067

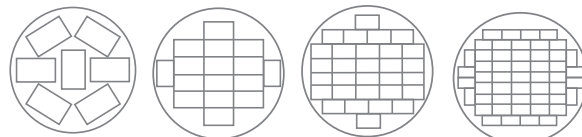
* Each canister will hold 25 canes without cryo sleeves or 16 canes with cryosleeves



Mini Square Racks for Liquid Phase Storage



Model No. & Description	Dimensions H x W x D in. (cm)	Storage	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
4000260	26.2 x 3.3 x 3.4 (66.5 x 8.4 x 8.6)	Racks per vessel	11	30	55	92
Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	12	12	12	12
		Vials per box	25	25	25	25
		Vials per vessel	3,300	9,000	16,500	27,600



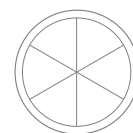
Racks for Thermo Scientific™ Matrix 2D™ Tubes

Model No. & Description		Dimensions H x W x D in. (cm)	Storage	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
Liquid Phase							
	1950836	27 x 5.313 x 3.65 (68.6 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 1.082 in. to 1.394 in. tall		Plates per rack	18	18	18	18
			Plates per vessel	126	288	900	918
	1950839	27.15 x 5.313 x 3.65 (69 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 1.55 in. to 2.15 in. tall		Plates per rack	12	12	12	12
			Plates per vessel	84	192	360	612
	1950840	27.5 x 5.313 x 3.65 (69.9 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 2.3 in. tall		Plates per rack	11	11	11	11
			Plates per vessel	77	176	330	561
	1950841	27.5 x 5.313 x 3.65 (69.9 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 3.78 in. tall		Plates per rack	7	7	7	7
			Plates per vessel	49	112	210	357
Vapor Phase							
	1950832	22.5 x 5.313 x 3.65 (57.2 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 1.082 in. to 1.394 in. tall		Plates per rack	15	15	15	15
			Plates per vessel	105	240	450	765
	1950833	22.6 x 5.313 x 3.65 (57.4 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 1.55 in. to 2.15 in. tall		Plates per rack	10	10	10	10
			Plates per vessel	70	160	300	510
	1950834	22.5 x 5.313 x 3.65 (57.2 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 2.3 in. tall		Plates per rack	9	9	9	9
			Plates per vessel	63	144	270	459
	1950835	19.65 x 5.313 x 3.65 (49.9 x 13.5 x 9.3)	Racks per vessel	7	16	30	51
	Rack for Matrix 2D plates measuring 3.78 in. tall		Plates per rack	5	5	5	5
			Plates per vessel	35	80	150	255

Platform risers required for racks in vapor phase storage

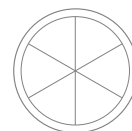


Description of riser and racks for intended use	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
5 in. riser for use with 1950832, 1950833, 1950834, and 1950835 racks	4000061	4000061	4000064	4000067



Arrowhead Racks for Liquid Phase Storage

	Model No. & Description	Dimensions H x W x D in. (cm)	Storage	CryoPlus 1
	4000044	28.1 x 7.8 x 7.5 (71.4 x 19.8 x 19.1)	Racks per vessel	6
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	13
			Vials per box	81
			Vials per vessel	6,318
	4000112	26 x 7.8 x 7.5 (66 x 19.8 x 19.1)	Racks per vessel	6
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	12
			Vials per box	81
			Vials per vessel	5,832
	4000113	26 x 7.8 x 7.5 (66 x 19.8 x 19.1)	Racks per vessel	6
	Rack includes stainless steel boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	12
			Vials per box	81
			Vials per vessel	5,832
	4000104	25.4 x 7.8 x 7.5 (64.5x 19.8 x 19.1)	Racks per vessel	6
	Rack includes cardboard boxes and cardboard dividers for 4 mL vials		Boxes per rack	8
			Vials per box	81
			Vials per vessel	3,888
	4000105	25.4 x 7.8 x 7.5 (64.5x 19.8 x 19.1)	Racks per vessel	6
	Rack includes stainless steel boxes and cardboard dividers for 4 mL vials		Boxes per rack	8
			Vials per box	81
			Vials per vessel	3,888
	4000043	26.5 x 7.8 x 7.5 (67.3 x 19.8 x 19)	Racks per vessel	6
	Rack includes cardboard boxes and cardboard dividers for 5 mL vials		Boxes per rack	7
			Vials per box	81
			Vials per vessel	3,402



Arrowhead Racks for Vapor Phase Storage

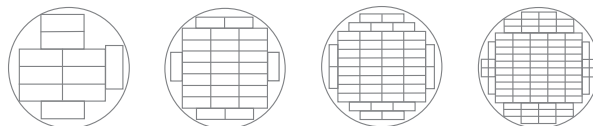
	Model No. & Description	Dimensions H x W x D in. (cm)	Storage	CryoPlus 1
	4000110	23.8 x 7.8 x 7.5 (60.5 x 19.8 x 19.1)	Racks per vessel	6
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	11
			Vials per box	81
			Vials per vessel	5,346
	4000111	23.8 x 7.8 x 7.5 (60.5 x 19.8 x 19.1)	Racks per vessel	6
	Rack includes stainless steel boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	11
			Vials per box	81
			Vials per vessel	5,346
	4000108	21.6 x 7.8 x 7.5 (54.9 x 19.8 x 19.1)	Racks per vessel	6
	Rack includes cardboard boxes and cardboard dividers for 2 mL vials		Boxes per rack	10
			Vials per box	81
			Vials per vessel	4,860

Platform Risers Required for Racks in Vapor Phase Storage

	Description of Riser and Racks for Intended Use	CryoPlus 1
	3.5 in. riser for use with 4000110 and 4000111 racks	4000060
	5 in. riser for use with 4000108 racks	4000061

Arrowhead Boxes and Dividers for Vapor Phase Storage

	Model No.	Description
	Boxes	
	4000193	Arrowhead cardboard box (with drain hole) includes 81-cell divider for use with 1.5/2 mL vials
	4000194	Arrowhead stainless steel box (with drain hole) does not include 81-cell divider for use with 1.5/2 mL vials
	4000195	Arrowhead cardboard box (with drain hole) includes 81-cell divider for use with 4/5 mL vials
	4000196	Arrowhead stainless steel box (with drain hole) does not include 81-cell divider for use with 4 mL vials
	Cell Dividers	
	4000181	81-cell divider for use with all arrowhead boxes



Vertical Racks for Liquid and Vapor Phase Storage

Model No. & Description	Dimensions H x W x D in. (cm)	Storage	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
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Vertical Rack for Liquid Phase Storage

	4000012	27.6 x 2.3 x 5.7 (70.1 x 5.8 x 14.5)	Racks per vessel	10	27	46	78
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	5	5	5	5
			Vials per box	100	100	100	100
			Vials per vessel	5,000	13,500	23,000	39,000

Vertical Rack for Vapor Phase Storage

	4000011	22.2 x 2.3 x 5.7 (56.4 x 5.8 x 14.5)	Racks per vessel	10	27	46	78
	Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials		Boxes per rack	4	4	4	4
			Vials per box	100	100	100	100
			Vials per vessel	4,000	10,800	18	31,200

Platform Risers Required for Racks in Vapor Phase Storage

Description of riser and racks for intended use							
	5 in. riser for use with 4000011 racks			4000061	4000061	4000064	4000067

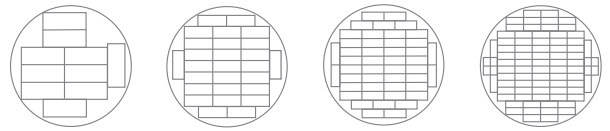
Boxes and Dividers

	Model No.	Description
	4000014	Cardboard box with 100-cell divider for use with 1.5/2 mL vials (does have drain hole)
	820010	Polycarbonate box with 100-cell divider for use with 1.5/2 mL vials with internal threaded caps (does have drain hole)
	820011	Polycarbonate box with 81-cell divider for use with 1.5/2 mL vials (does have drain hole)

Lid Locking Pins

Model No.	Description
1890632	Factory-installed lid-locking pins* (allows customers to securely lock the lid in the open position as a secondary user-safety feature)
1890633	Certified Technician (field-installed) lid-locking pins (allows customers to securely lock the lid in the open position as a secondary user-safety feature)

* Lid-locking pins are not available as factory-installed items when a CryoPlus vapor-phase starter SKU is ordered



Frames and Canisters for Liquid Phase Storage

Model No. & Description		Dimensions H x W x D in. (cm)	Storage	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
	4000670	27.4 x 0.6 x 4.6 (69.6 x 1.5 x 11.7)	Frames per vessel	28	72	124	204
	Frame for 4000610 canister		Canisters per frame	7	7	7	7
			Canisters per vessel	196	504	868	1,428
	1900585	27.4 x 0.6 x 3.8 (69.6 x 1.5 x 9.7)	Frames per vessel	34	100	184	314
	Frame for 1950831 canister		Canisters per frame	7	7	7	7
			Canisters per vessel	238	700	1,288	2,198
	4000371	23.7 x 0.6 x 6.5 (60.2 x 1.5 x 16.5)	Frames per vessel	28	68	108	186
	Frame for 4000335 canister		Canisters per frame	4	4	4	4
			Canisters per vessel	112	272	432	744
	4000372	23.8 x 0.7 x 8.2 (60.5 x 1.8 x 20.8)	Frames per vessel	22	50	90	154
	Frame for 4000336 canister		Canisters per frame	4	4	4	4
			Canisters per vessel	88	200	360	616
	4000368	26.4 x 0.9 x 6.1 (67.1 x 2.3 x 15.5)	Frames per vessel	19	46	72	126
	Frame for 4000332 and 4000356 canisters		Canisters per frame	4	4	4	4
			Canisters per vessel	76	184	288	504
	4000369	26.4 x 1 x 10 (67.1 x 2.5 x 25.4)	Frames per vessel	10	28	48	84
	Frame for 4000333 and 4000357 canisters		Canisters per frame	4	4	4	4
			Canisters per vessel	40	112	192	336

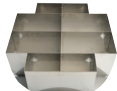
Frames and Canisters for Vapor Phase Storage

Model No. & Description		Dimensions H x W x D in. (cm)	Storage	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
	4000660	23.5 x 0.6 x 4.6 (59.7 x 1.5 x 11.7)	Frames per vessel	28	72	124	204
	Frame for 4000610 canister		Canisters per frame	6	6	6	6
			Canisters per vessel	168	432	744	1,224
	1900584	23.5 x 0.6 x 3.8 (59.7 x 1.5 x 9.7)	Frames per vessel	34	100	184	314
	Frame for 1950831 canister		Canisters per frame	6	6	6	6
			Canisters per vessel	204	600	1,104	1,884
	4000371	23.7 x 0.6 x 6.5 (60.2 x 1.5 x 16.5)	Frames per vessel	28	68	108	186
	Frame for 4000335 canister		Canisters per frame	4	4	4	4
			Canisters per vessel	112	272	432	744
	4000372	23.8 x 0.7 x 8.2 (60.5 x 1.8 x 20.8)	Frames per vessel	22	50	90	154
	Frame for 4000336 canister		Canisters per frame	4	4	4	4
			Canisters per vessel	88	200	360	616

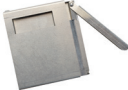
Platform Risers Required for Frames in Vapor Phase Storage

	Description of riser and frames for intended use	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
	3.5 in. riser for use with 4000371 and 4000372 frames	4000060	4000060	4000063	4000066
	4 in. riser for use with 4000660 frames	4000056	4000062	4000065	4000068

Platform Dividers for the Above Frames

	Description of platform divider and frames for intended use	CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
	Platform divider for use with 4000660 and 4000670 25 mL frames: 1900584 and 1900585	4000616	4000624	4000631	4000639
	Platform divider for use with 4000371 frames	N/A	4000075	4000050	4000053
	Platform divider for use with 4000372 frames	N/A	4000076	4000051	4000054
	Platform divider for use with 4000368 frames	N/A	N/A	4000047	4000052
	Platform divider for use with 4000369 frames	N/A	N/A	4000048	N/A

Canisters for the Above Frames

	Model No. & Description	Dimensions H x W x D in. (cm)
	1950831 Sliding canister for 25 mL bag (OriGen CS 25 or equivalent)	3.6 x 3.915 x .375 (9.14 x 9.94 x 0.95)
	4000610 Swing arm canister for 50 mL bag (Fenwal 4R9951 or OriGen CS 50)	3.7 x 6.3 x 0.5 (9.4 x 16 x 1.3)
	4000335 Sliding canister for 250 mL bag (Fenwal 4R5461 or OriGen CS 250, CryoMACS 50 and 250)	5.5 x 7.6 x 0.4 (14 x 19.3 x 1)
	4000336 Sliding canister for 500 mL bag (Fenwal 4R5462 or OriGen CS 500)	5.6 x 9.2 x 0.4 (14.2 x 23.4 x 1)
	4000332 Sliding canister for 200 mL bag (Gambro DF-200 or equivalent)	6.4 x 7.8 x 0.8 (16.3 x 19.1 x 2)
	4000356 Swing arm canister for 200 mL bag (Gambro DF-200 or CryoMACS 250)	6.4 x 7.8 x 0.8 (16.3 x 19.1 x 2)
	4000333 Sliding canister for 700 mL bag (Gambro DF-700 or CryoMACS 500 and 750 and OriGen CS 750 and CS 1000)	6.5 x 11.8 x 0.8 (16.5 x 30 x 2)
	4000357 Swing arm canister for 700 mL bag (Gambro DF-700 or CryoMACS 500 and 750 and OriGen CS 750 and CS 1000)	6.5 x 12.1 x 0.8 (16.5 x 30.7 x 2)

Mini Boxes for Liquid Phase Storage

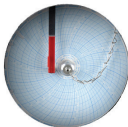


	Model No.	Description
Boxes	189470	Mini cardboard box - 2.75 in. x 2.75 in. x 2 in. for use with 25-cell divider for use with 1.5/2 mL vials
Cell Dividers	189387	25-cell divider for use in the 189470 box

Boxes and Dividers

Model No.	Description
Boxes	
	4000014 Cardboard box with 100-cell divider for use with 1.5/2 mL vials (does have drain hole)
	4000015 Cardboard box with 100-cell divider for use with 4/5 mL vials (does have drain hole)
	820010 Polycarbonate box with 100-cell divider for use with 1.5/2 mL vials with internal threaded caps (does have drain hole)
	820011 Polycarbonate box with 81-cell divider for use with 1.5/2 mL vials (does have drain hole)
	4000238 Stainless steel box for 1.5/2 mL vials (does not include 100-cell divider)
	4000239 Stainless steel box for 4 mL vials (does not include 100-cell divider)
Cell Dividers	
	4000013 100-cell divider for use in the 4000014, 4000015, 4000238, and 4000239 boxes

Other Accessories for CryoPlus

Model No. & Description		CryoPlus 1	CryoPlus 2	CryoPlus 3	CryoPlus 4
Recorder Kit					
	Factory installed - 220 V, 50/60 Hz with 6 in. diameter circular chart, 7-day temperature recorder, pen and chart drive (specify – top, left and right side mount – right side is default if not specified)	201280			
	Replacement Felt Tip Pen	245231			
	Replacement Circular Chart Paper	197064			
Hot Gas By-Pass Valve Assembly					
	Factory installed – 220 V, 50/60 Hz	195023			
	Field installed (QI) – 220 V, 50/60 Hz	195701			
Thermal Temperature Sleeve (27" Tall for Improved Temperature Uniformity)					
	Customer installed/retrofit	1950706	1950707	1950708	1950709
RJ-11 Remote Alarm Cable Kit					
	Used to connect remote alarm to equipment	400142			

Quality services available (must be ordered with equipment)

260049	Certification of Compliance (Unit Specific)
260045	Temperature Mapping
260043	Certificate of Conformance

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