

reliable long-term storage solution

Thermo Scientific CryoPlus Sample Storage Systems

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

- Top-mounted control panel allows easy access to the CryoPlus' microprocessor controller for programming
- All lids incorporate foamed-in-place, high density urethane insulation with dedicated vent (U.S. Patent 5,779,089). Two independent, flexible gaskets reduce the migration of moisture into the chamber and reduce icing.
- 24 tricolor LEDs continuously display actual liquid nitrogen level and high-level/low-level setpoints
- Remote alarm contacts for in-house remote alarms or connection to a Sensaphone® Telephone Dialing System
- Counterbalanced UL 61010 third addition compliant lid with 100% clearance allows each entry into the storage area for retrieval of samples, while minimizing sample exposure time and maintaining a safe work environment.
- Heavy-duty casters are provided standard
- Incorporates a temperature sleeve as a standard feature, which provides colder temperatures at the top and more efficient operation in vapor phase
- Storage tanks are vacuum insulated with stainless steel interior
- Exterior cabinet is constructed of 18-gauge, cold roll steel with powder-coat paint for durability and a high quality uniform finish. Salt spray tests exceed 1,000 hours per ASTM Standard 117B-85
- All models come standard with LN₂ transfer hose

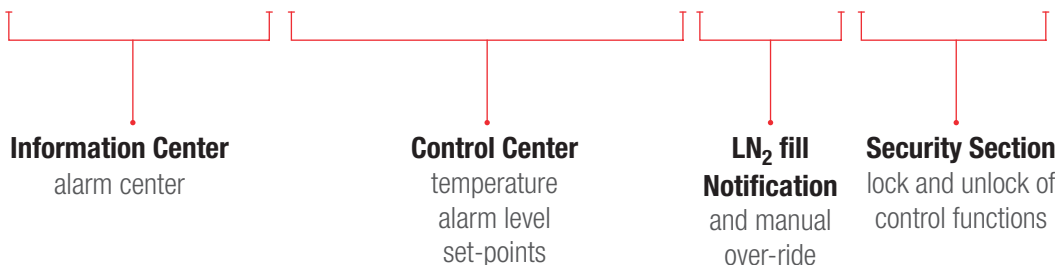
For maximum product security, CryoPlus incorporates three different solutions

- A convenient front-mounted cabinet key lock for sample security
- A keyed lock on the microprocessor for temperature and alarm set-point security
- A rear-mounted recessed power switch to prevent accidental power shut off

A complete sample storage solution offering for vapor or liquid phase

- Square and vertical racks for vial storage
- Frames and canisters for bag storage
- Specialty racks for cane storage
- Gas by-pass assembly delivers warm nitrogen to atmosphere until the control probe reaches set temperature. The by-pass valve closes and the fill valve is energized, preventing the storage area from being subjected to warm nitrogen gas. This is also required if the CryoPlus is connected to a manifold system to prevent LN₂ source alarms.

CryoPlus Information Panel



› Thermo Scientific CryoPlus Sample Storage Systems

| Model | Model No. | LN ₂ Capacity (liters) | Vial Capacity 1.2-2.0 mL (CryoBank) | Electrical | Plug Type | Inner Tank Diameter in. (cm) | Exterior Dimensions H x W x D in. (cm) | Shipping Weight | Regulatory Listings | LN ₂ and Utility Connection |
|------------|-----------|-----------------------------------|---|----------------|------------|------------------------------|--|-----------------------|--------------------------|---|
| CryoPlus 1 | 7400 | 90 | 6,318 ¹ (8,450 ^{2,3}) | 115v/60 Hz | NEMA 5-15P | 16 (40.6) | 41 x 21.5 x 26 (104.1 x 54.6 x 66) | 260 lbs/ 117.9kg | CFDA, cULus and CE | All models require 22 psi low pressure supply tank and are supplied with (1) 0.5 in. 45° flare stainless steel flexible transfer hose |
| | 7401 | | | 208-230v/50 Hz | CEE 7/7 | | | | | |
| CryoPlus 2 | 7402 | 200 | 13,500 ² (22,815 ^{2,3}) | 115v/60 Hz | NEMA 5-15P | 24 (61) | 41 x 28.5 x 34 (104.1 x 72.4 x 86.4) | 480 lbs/ 217.7 kg | | |
| | 7403 | | | 208-230v/50 Hz | CEE 7/7 | | | | | |
| CryoPlus 3 | 7404 | 340 | 23,000 ² (38,870 ^{2,3}) | 115v/60 Hz | NEMA 5-15P | 31 (78.7) | 41 x 34.5 x 41.5 (104.1 x 87.6 x 105.4) | 550 lbs/ 249 kg | | |
| | 7405 | | | 208-230v/50 Hz | CEE 7/7 | | | | | |
| CryoPlus 4 | 7406 | 552 | 39,000 ² (65,910 ^{2,3}) | 115v/60 Hz | NEMA 5-15P | 39.5 (110.3) | 47 x 43.5 x 50 (119.4 x 110.5 x 127) | 1070 lbs/ 484.3 kg | | |
| | 7407 | | | 208-230v/50 Hz | CEE 7/7 | | | | | |

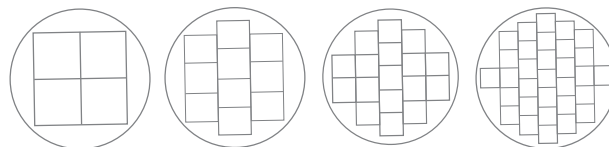
¹ Using arrowhead racks no. 4000044.

² Using vertical racks no. 4000012 and dense storage tube boxes.







³ Using Nunc Dense storage boxes (196-cell) and 1 mL Cryobank tubes.

› Thermo Scientific CryoPlus Vapor Phase Starter Kits

| Model | Model No. | LN ₂ Capacity (liters) | Electrical | Description |
|------------------------------------|--------------|-----------------------------------|--------------|--|
| CryoPlus 1 Vapor Phase Starter Kit | 7400RAKHGGBR | 90 | 120V 50/60Hz | Package includes CryoPlus 1 (model 7400) and a hot gas bypass option, 4 storage rack and a 3.5" riser, UL |
| | 7401RAKHGGBR | | 230V 50/60Hz | Package includes CryoPlus 1 (model 7400) and a hot gas bypass option, 4 storage rack and a 3.5" riser, CE |
| CryoPlus 2 Vapor Phase Starter Kit | 7402RAKHGGBR | 200 | 120V 50/60Hz | Package includes CryoPlus 2 (model 7402) and a hot gas bypass option, 10 storage rack and a 3.5" riser, UL |
| | 7403RAKHGGBR | | 230V 50/60Hz | Package includes CryoPlus 2 (model 7402) and a hot gas bypass option, 10 storage rack and a 3.5" riser, CE |
| CryoPlus 3 Vapor Phase Starter Kit | 7404RAKHGGBR | 340 | 120V 50/60Hz | Package includes CryoPlus 3 (model 7404) and a hot gas bypass option, 10 storage rack and a 3.5" riser, UL |
| | 7405RAKHGGBR | | 230V 50/60Hz | Package includes CryoPlus 3 (model 7404) and a hot gas bypass option, 10 storage rack and a 3.5" riser, CE |
| CryoPlus 4 Vapor Phase Starter Kit | 7406RAKHGGBR | 552 | 120V 50/60Hz | Package includes CryoPlus 4 (model 7406) and a hot gas bypass option, 10 storage rack and a 3.5" riser, UL |
| | 7407RAKHGGBR | | 230V 50/60Hz | Package includes CryoPlus 4 (model 7406) and a hot gas bypass option, 10 storage rack and a 3.5" riser, CE |










> CryoPlus Rack Selection Guide

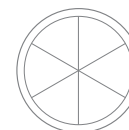
| Model No. & Description | Dimensions H x W x D in. (cm) | Storage | CryoPlus 1 | CryoPlus 2 | CryoPlus 3 | CryoPlus 4 | |
|---|---|---|------------------|------------|------------|------------|--------|
| Square Racks for Liquid Phase Storage | | | | | | | |
|  | 4000006* | 27.4 x 5.5 x 5.63 (69.6 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.







> CryoPlus Rack Selection

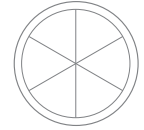
| Model No. & Description | Dimensions H x W x D in. (cm) | Storage | CryoPlus 1 | CryoPlus 2 | CryoPlus 3 | CryoPlus 4 | |
|---|---|---|--------------------|----------------|----------------|----------------|--------|
| Square Racks for Vapor Phase Storage | | | | | | | |
|  | 4000001 | 23.9 x 5.5 x 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






➤ 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

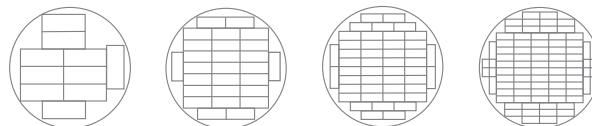
| | Model No. & Description | Dimensions H x W x D in. (cm) | Storage | CryoPlus 1 |
|---|---|--|------------------|------------|
|  | 4000110 | 23.8 x 7.8 x 7.5 (60.5 x 19.8 x 19.1) | Racks per vessel | 6 |
| | Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials | | Boxes per rack | 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 Phase Storage

| Model No. & Description | Dimensions H x W x D in. (cm) | Storage | CryoPlus 1 | CryoPlus 2 | CryoPlus 3 | CryoPlus 4 |
|--|---|------------------|------------|------------|------------|------------|
| Vertical Rack for Liquid Phase Storage | | | | | | |
|  <p>4000012</p> <p>Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials</p> | <p>27.6 x 2.3 x 5.7 (70.1 x 5.8 x 14.5)</p> | Racks per vessel | 10 | 27 | 46 | 78 |
| | | 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 | | | | | | |
|  <p>4000011</p> <p>Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials</p> | <p>22.2 x 2.3 x 5.7 (56.4 x 5.8 x 14.5)</p> | Racks per vessel | 10 | 27 | 46 | 78 |
| | | 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 |
|--|--|
|  <p>4000014</p> | 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) |


> 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 |

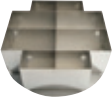
> Frames and Canisters for Vapor Phase Storage

| 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 | 1,225 |
|  | 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

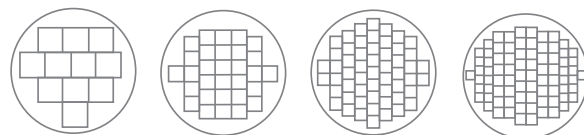
| | Description of riser and frames for intended use | CryoPlus 1 | CryoPlus 2 | CryoPlus 3 | CryoPlus 4 |
|---|---|------------|------------|------------|------------|
|  | 3.5 in. riser for use with 4000371 and 4000372 frames | 4000060 | 4000060 | 4000063 | 4000066 |
| | 4 in. riser for use with 4000660 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 | 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 equivalent) | 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 equivalent) | 5.5 x 7.6 x 0.4 (14 x 19.3 x 1) |
|  | 4000336 Sliding canister for 500 mL bag (Fenwal 4R5462 or equivalent) | 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 equivalent) | 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 equivalent) | 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 equivalent) | 6.5 x 12.1 x 0.8 (16.5 x 30.7 x 2) |



> 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 Rack includes cardboard boxes and cardboard dividers for 1.5/2 mL vials | 26.2 x 3.3 x 3.4 (66.5 x 8.4 x 8.6) | Racks per vessel | 11 | 30 | 55 | 92 |
| | | 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 |

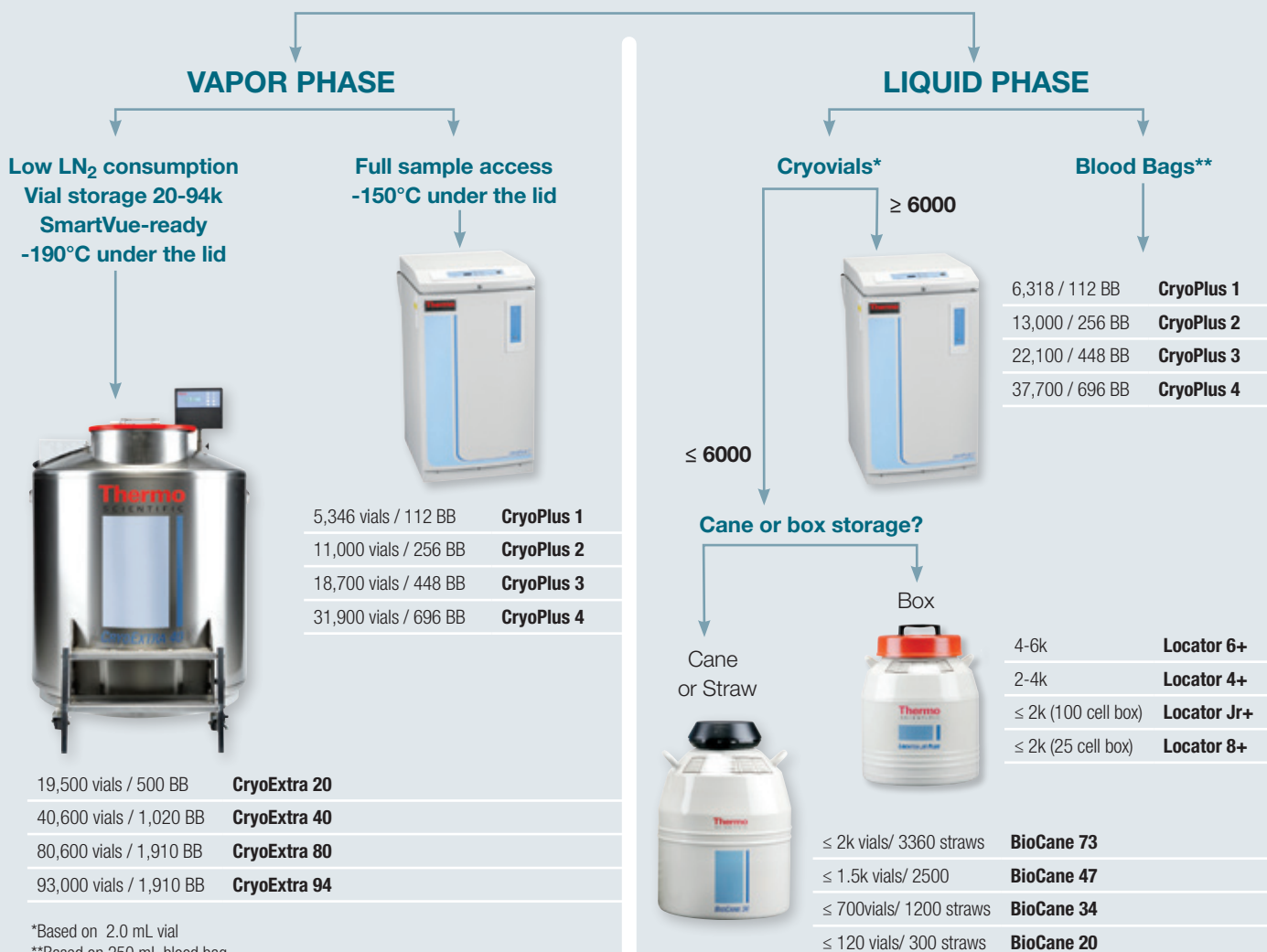
> Mini Boxes for Liquid Phase Storage



| 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 |

LN₂ Cryo Storage Selector Guide

VAPOR OR LIQUID PHASE STORAGE?



*Based on 2.0 mL vial

**Based on 250 mL blood bag