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Thermo Scientific Nunc Cryotube® Vials

Designed to withstand temperatures from -70 to -196°C!

Radiation sterilized polypropylene vials with polyethylene screw caps are manufactured from nontoxic, nonmutagenic, nonpyrogenic materials. Include a writing area and volume estimation line.

Internally threaded vials incorporate a special silicone gasket seal for use in liquid nitrogen storage systems.* **Externally threaded vials** are ideal for mechanical freezing or vapor phase liquid nitrogen storage. Deep skirted cap facilitates aseptic techniques. Both styles are available in conical or round bottoms and also in self-standing and starfoot base design. Starfoot fins interlock with grooves of CryoTube Rack to allow one handed operation. **Externally threaded stepneck vials** features a cap that is the same outer diameter as that of the vials.

*Warning: Do not use for freezing in liquid nitrogen (liquid phase storage) unless correctly sealed in CryoFlex as this poses a safety hazard.

Catalog Number	Bottom Style	Base Design	Working Vol mL	Dia x Ht with cap	Pack of	List Pack	Case of	DAIGGER Case
Cryotubes with Internal Threads								
KX6833A	Conical	Self-Standing	1.0	12.5 x 42 mm	500	\$353.00	2000	\$1,090.00
KX6833B	Round	Round	1.8	12.5 x 48 mm	500	353.00	2000	1,090.00
KX6833C	Round	Self-Standing	1.8	12.5 x 49 mm	450	325.00	1800	1,005.00
KX6833D	Round	Round	3.6	12.5 x 70 mm	400	375.00	1600	1,160.00
KX6833E	Round	Round	4.5	12.5 x 92 mm	300	330.00	1200	1,020.00
KX6833F	Conical	Starfoot	1.0	12.5 x 42 mm	500	353.00	2000	1,090.00
KX6833G	Round	Starfoot	1.8	12.5 x 49 mm	450	325.00	1800	1,005.00
KX6833M	Round	Starfoot	3.6	12.5 x 72 mm	400	375.00	1600	1,160.00
KX6833N	Round	Starfoot	4.5	12.5 x 92 mm	300	330.00	1200	1,020.00
Cryotubes with External Threads								
KX6833K	Conical	Starfoot	1.0	12.5 x 41 mm	500	335.00	2000	1,035.00
KX6833L	Round	Starfoot	1.8	12.5 x 48 mm	450	302.00	1800	935.00
KX6833P	Round	Starfoot	4.5	12.5 x 91 mm	300	325.00	1200	1,005.00
Cryotubes with External Stepneck Threads								
KX6833H	Round	Round	1.8	12.5 x 30 mm	500	335.00	2000	1,035.00
KX6833J	Round	Round	1.0	12.5 x 44 mm	500	335.00	2000	1,035.00
KX6833Q	Polyethylene CryoFlex™ Tubing			14 x 500 mm	—	—	300	1,545.00



External Stepneck Vials



Externally Threaded Cryotube Vials with Starfoot Bases



Nunc™ Cryotube Racks

Ideal for benchtop use!

Available in 2 configurations: 70 vial capacity (polycarbonate) for use with most popular brands of 12.5 mm diameter cryogenic vials and 40 vial capacity (polyphenyleneoxide) which is designed to be used with Nunc Cryotubes with the Starfoot base for one-hand operation.

Catalog Number	Rack Capacity	Dimensions mm	List Price	DAIGGER Price
KX6889A	70 Vials	150 x 233	\$82.00	\$73.00
KX6889B	40 Vials	102 x 202	40.50	35.50



Nunc Storage Canes

Aluminum cryogenic storage canes hold up to six 1.8 mL CryoTubes.

KX6890 Storage Canes, Pack of 50	\$74.00
DAIGGER Pack.	65.00

Nunc Cryogenic Vial Box

Economical, disposable chipboard boxes for liquid nitrogen, gas phase and mechanical freezing of cryovials. Boxes have cut-outs near the bottom of box for drainage of liquid nitrogen. For 1.0 to 1.8 mL vials. Withstands temperatures to -196°C. Includes dividers.

Catalog Number	Box Size W x H x D"	Array	Pack of	List Pack	DAIGGER Pack
KX6850A	2 1/4 x 2 x 2 1/4	5 x 5	24	\$134.00	\$124.00
KX6850B	5 1/4 x 2 x 5 1/4	9 x 9	6	40.50	36.00

Nunc Cryotube Vials Color Coders

Color	Catalog Number	Color	Catalog Number
Red	KX6888A	White	KX6888F
Green	KX6888B	Blue	KX6888G
Yellow	KX6888C	Purple	KX6888H
Orange	KX6888D	Grey	KX6888J
Brown	KX6888E	Fuschia	KX6888K

KX6890 Assortment Pack, 50 of each color	\$74.00
DAIGGER Pack of 500	65.00



Thermo Scientific Nalgene Cryogenic Vials

- Polypropylene (PP) cryovials for storage in vapor-phase* LN₂ freezers
- Deep-skirted PP screw closure eliminates risk of contaminating contents and allows single-handed aseptic technique
- White marking area, fill line and graduations are printed on side—bulk, nonsterile vials are plain
- Non-cytotoxic, nonpyrogenic
- Radiation sterilized



Catalog Number	Capacity mL	OD mm	Height mm	Pack Type	Case of	List Case	DAIGGER Case
KX6825A	1.2	13.5	38.1	Sterile	500	\$280.00	\$260.00
KX6825B	2.0	13.5	48.3	Sterile	500	280.00	260.00
KX6825C	5.0	13.5	92.0	Sterile	250	227.00	210.00
KX6825D	1.2	13.5	38.1	Bulk, Nonsterile	1000	411.00	381.00
KX6825E	2.0	13.5	48.3	Bulk, Nonsterile	1000	411.00	381.00
KX6834A	1.2	13.5	38.1	Bulk, Sterile	1000	489.00	454.00
KX6834B	2.0	13.5	48.3	Bulk, Sterile	1000	489.00	454.00

*Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen unless properly sealed in Nunc cryogenic tubing KX6833Q listed above.

GSA

Sterile
Cryogenic
VialsNonsterile
Cryogenic
Vials

Nalgene® Aluminum CryoCanes™

- Aluminum cryogenic storage canes hold up to six 1.8 mL cryogenic vials



Catalog Number	Lgth mm	Cap. vials	Pack of 12	Case of 48	DAIGGER Case
KX6836A	290	5	\$18.50	\$62.00	\$47.00
KX6836B	300	6	18.50	62.00	47.00

Nalgene CryoCane™ Color Coders

- Allows identification of individual canes while immersed in liquid nitrogen dewars

KX7358W White	KX7358G Green
KX7358Y Yellow	KX7358R Red
KX7358B Blue	

DAIGGER Pack of 100 **\$33.50**



**Increase storage
by 23%!**

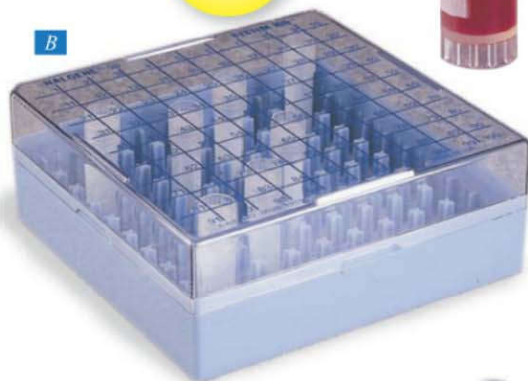
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RNase-FREE
DNase-FREE

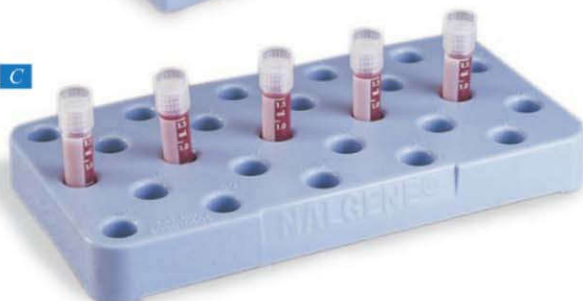
A



B



C



Nalgene System 100™ Cryoware

A Sterile System 100 Cryogenic Vials

Innovative polypropylene vials with polypropylene closures increase storage capacity in mechanical and vapor-phase* (LN₂) freezers. Silicon gasketed closure enables leakproof performance in microcentrifuge (up to 8,000 x g)—eliminates transfer of sample from vial to centrifuge tube upon thawing. Externally threaded for aseptic technique. Self-standing. White marking area, graduations and fill line. Radiation sterilized.

Non-cytotoxic, non-pyrogenic. Packaged 25 per bag; case of 500.

* Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen unless properly sealed in Nunc cryogenic tubing KX6833Q.

Catalog Number	Cap mL	OD mm	Height mm	List Case	DAIGGER Case
KX6835A	1.0	12	38	\$287.00	\$266.00
KX6835B	1.5	12	48	287.00	266.00

B System 100 Cryobox

Store up to 100 System 100 cryogenic vials in this polycarbonate box with a temperature range of -196 to +121°C. Transparent lid has printed grid for inventory purposes—permits viewing of contents and is keyed to prevent misalignment. 5¼ x 5¼ x 2½". Case of 10.

KX6838C System 100 Cryobox	\$101.00
DAIGGER Case	77.00

C Cryogenic Vial Holder

Single-handed vial manipulation of up to 25 cryovials on benchtops. Polycarbonate rack is autoclavable. Works with all Nalgene Cryovials.

KX6838A Vial Holder, Each	\$38.00
DAIGGER Case of 4	117.00

**Certified
RNase FREE
DNase FREE**

CORNING® Cryogenic Vials

Polypropylene vials are manufactured to withstand temperatures to -196°C . Vials have either silicone gaskets for a secure seal. Vials have distinct black graduations and a larger white marking spot for identification. Self standing vials have a special base design allowing them to be locked into the cryogenic rack and tray (sold below) for single-handed manipulation. Vials can be color-coded with inserts. Sterile, certified non-pyrogenic and now certified RNase and DNase free.

External Thread Cryogenic Vials facilitate sterile technique. Inner packed as 10 resealable bags of 50 vials for more secure storage. Case of 500.

Internal Thread Cryogenic Vials provide the best possible closure for sample integrity. Inner packed as 10 resealable bags of 50 vials. Case of 500.

Catalog Number	Capacity mL	Style	Self-Standing	Dia x H with cap mm	Case of 500	DAIGGER Case
External Thread Cryogenic Vials						
KX7428A	1.2	Conical Bottom	Yes	12.7 x 42	\$276.00	\$246.00
KX7428B	2.0	Round Bottom	Yes	12.7 x 49	276.00	246.00
KX7428C	2.0	Round Bottom	No	12.7 x 47	276.00	246.00
KX7428D	4.0	Round Bottom	Yes	12.7 x 76.5	386.00	344.00
KX7428E	5.0	Round Bottom	Yes	12.7 x 92.1	450.00	402.00
Internal Thread Cryogenic Vials						
KX7429A	1.2	Conical Bottom	Yes	12.7 x 41.6	276.00	246.00
KX7429B	2.0	Round Bottom	Yes	12.7 x 49	296.00	264.00
KX7429C	2.0	Round Bottom	No	12.7 x 47	276.00	246.00
KX7429D	4.0	Round Bottom	Yes	12.7 x 71.2	386.00	344.00
KX7429E	4.0	Round Bottom	No	12.7 x 70	386.00	344.00
KX7429F	5.0	Round Bottom	Yes	12.7 x 92.1	450.00	402.00
KX7429G	5.0	Round Bottom	No	12.7 x 90.2	450.00	402.00



External Thread Cryogenic Vials



Internal Thread Cryogenic Vials

**Lid is
securely
hinged to
base!**



Arctic Squares™ Cryostorage Boxes

Safely store vials from -196 to 121°C for repeated use in mechanical freezers as well as liquid nitrogen!

- Sloped-base design orients front of the box
- Lid and box are indexed for quick sample identification
- Front texture area on transparent lid accepts marker for labeling
- Include air vents and drain slots
- Picking tool included with 9 x 9 and 10 x 10 arrays—removes boxes from freezer racks by hooking onto front of box
- Box 7448F includes high-temperature foam insert
- Autoclavable

Catalog Number	Description	Base Color	Vial Size mL	Dimensions W x H x D"	Pack of	List Price	DAIGGER Price
KX7448A	5 x 5 array	Red	1.2/2.0	3 x 2 x 3	8	\$83.00	\$71.00
KX7448B	9 x 9 array	Assorted	1.2/2.0	5 1/4 x 2 x 5 1/4	4	64.00	55.00
KX7448C	9 x 9 array (tall)	Purple	3.0/5.0	5 1/4 x 3 1/4 x 5 1/4	5	88.00	75.00
KX7448D	10 x 10	Blue	1.2/2.0	5 1/4 x 2 x 5 1/4	4	64.00	55.00
KX7448E	Empty	Green	Assorted	5 1/4 x 2 x 5 1/4	4	58.00	49.00
KX7448F*	Microtube	Green	up to 1.5	5 1/4 x 2 x 5 1/4	4	83.00	71.00

*Microtube box with foam cannot be used in liquid nitrogen.



True North® Cryogenic Vials

Innovative design saves space in your freezer!

- Designed the first externally threaded vials that fit 100 to a standard cryostorage box, so you use freezer space 23% more efficiently as compared with leading cryogenic vial brands
- Each vial has extra-thick walls for superior puncture and rupture protection, imprinted writing area, graduation marks, silicone rubber seal ring, and self-standing base
- Unique lid (patent pending) opens easily with gloved fingers and is available in assorted colors, reducing the need for tags or coders
- Not recommended for liquid phase LN2 immersion
- Sterile, non-pyrogenic, and non-cytotoxic.

Catalog Number	Descrip.	Lid Color	Case of	List Price	DAIGGER Price
KX8850D	2.0 mL	Assorted	500	\$241.00	\$216.00
KX8850E	2.0 mL	Natural	500	229.00	205.00
KX8850F	4.0 mL	Natural	200	142.00	129.00

Cryovials with
external threads



Cryovials with
internal threads



Premium Polypropylene Cryovials®

Designed for bio-storage down to -190°C !

- Super-fast thread removes cap in $1\frac{1}{4}$ turns
- Cap features exclusive silicone seal to ensure a positive closure at even the lowest cryogenic temperature
- White marking area for easy identification
- Certified DNase-, DNA-, RNase-, and pyrogen-free
- Radiation sterilized
- Packed in a tamper-evident, resealable safety-lock bag of 100

**Certified
RNase-FREE
DNase-FREE**

Catalog Number	Vol mL	Base Style	OD x Ht mm	Pack of 100	Case of 1000	DAIGGER Case
Cryovials with External Threads						
KX6830A	1.2	Self-Standing	12.5 x 43	\$40.00	\$330.00	\$300.00
KX6830B	2.0	Round Bottom	12.5 x 48	40.00	330.00	300.00
KX6830C	2.0	Self-Standing	12.5 x 49	40.00	330.00	300.00
KX6830D	3.0	Self-Standing	12.5 x 72	45.00	373.00	339.00
KX6830E	4.0	Self-Standing	12.5 x 78	45.00	374.00	340.00
KX6830F	5.0	Self-Standing	12.5 x 92	49.00	407.00	370.00
Cryovials with Internal Threads						
KX6831A	1.2	Self-Standing	12.5 x 43	70.00	580.00	510.00
KX6831B	2.0	Self-Standing	12.5 x 48	38.50	319.00	290.00
KX6831C	2.0	Round Bottom	12.5 x 49	38.50	319.00	290.00
KX6831D	4.0	Round Bottom	12.5 x 72	44.00	363.00	330.00
KX6831E	4.0	Self-Standing	12.5 x 78	44.00	363.00	330.00
KX6831F	5.0	Round Bottom	12.5 x 92	52.00	429.00	390.00

Cryovial® Workstation Rack

Open and close Cryovials with one-hand!

Innovative locking system holds vial securely in each well. Only one hand is needed to easily screw or unscrew a cryovial closure. Supported by five non-skid rubber feet for extra stability.

Made of autoclavable polypropylene, rack holds up to 50 vials. Each place is identified with an alpha-numeric index. For best results use workstation racks with the Premium Cryovials listed above.

Catalog Number	Color	Case of 4	DAIGGER Case
KX3153B	Blue	\$48.50	\$42.00
KX3153R	Red	51.00	44.50
KX3153L	Lilac	48.50	42.00



Color Coded Inserts For Premium Cryovials

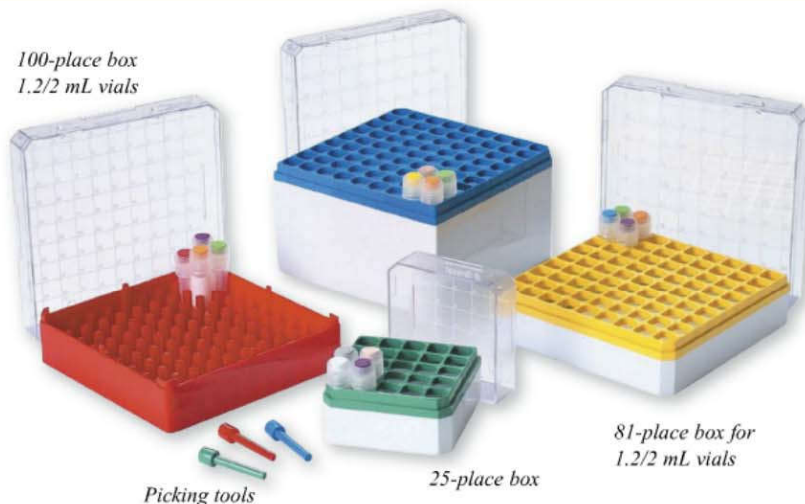
KX6832A	White
KX6832C	Red
KX6832E	Yellow
KX6832B	Blue
KX6832D	Green
KX6832F	100 of each color
Case of 500	\$14.00
DAIGGER Price	12.00

Multi-Colored Polycarbonate Cryovial® Storage Boxes

Color code all your samples!

- Designed for use from -190 to 121°C and are autoclavable
- A transparent cover with numerical grid allows easy individual sample identification
- Keyed lid and base prevent misalignment and sample mix-up
- Boxes with 25 and 81 arrays utilize a colored plastic grid inserts while the 100-place boxes have different colored bases
- Each box includes a vial picking tool to lift cryovials out of the rack—decreases risk of burned fingers
- Convenient storage holes in lid keeps tool within reach
- For best results use with the Premium Cryovials

100-place box
1.2/2 mL vials



81-place box for
1.2/2 mL vials

Picking tools

25-place box

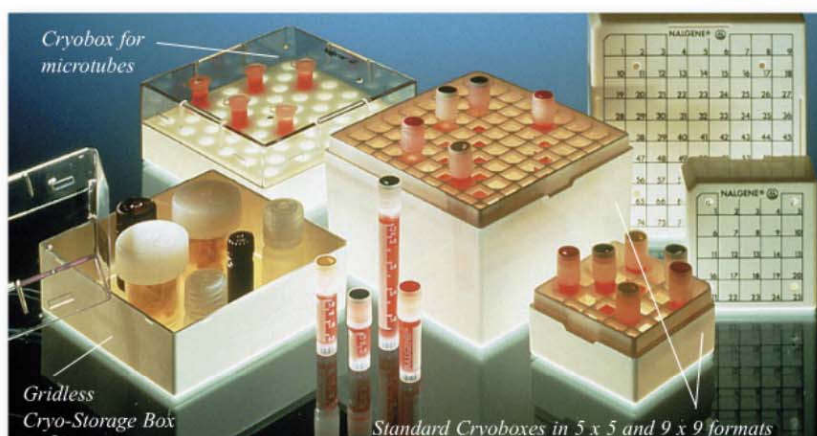
Vial Size	Array Size	Blue Catalog Number	Green Catalog Number	Red Catalog Number	Yellow Catalog Number	Pack of	List Pack	Case of	List Case	DAIGGER Case
1.2/2 mL	25-Place	KX31438B	KX31438G	KX31438R	KX31438Y	8	\$55.00	48	\$271.00	\$246.00
3 to 5 mL	81-Place	KX31458B	KX31458G	KX31458R	KX31458Y	5	73.00	10	121.00	110.00
1.2/2 mL	81-Place	KX31428B	KX31428G	KX31428R	KX31428Y	4	41.00	24	205.00	186.00
1.2/2 mL	100-Place	KX31421B	KX31421G	KX31421R	KX31421Y	4	45.00	24	225.00	204.00

Thermo Scientific Nalgene Cryoboxes

GSA

Durable storage containers!

- Polycarbonate has a temperature range of -196 to 121°C —ideal for mechanical and liquid nitrogen freezers
- Numerical grid system has corresponding numbers on specially keyed clear lid for quick, positive identification
- Cryoboxes for Cryovials come in a 5×5 , 9×9 , or 10×10 format for Nalgene System 100 1.0/1.5 mL cryovials
- Cryoboxes for Microtubes securely hold either 0.2, 0.5 or 1.5 mL microcentrifuge tubes
- Cryo-Storage Box is gridless for storing various sizes of vials or smaller containers
- All Cryoboxes are autoclavable



Catalog Number	Array Size	Vial Size mL	Dimensions L x W x H"	Pack of	List Pack	Case of	List Case	DAIGGER Case
Cryoboxes for Cryovials								
KX6828A	5×5	1.2/2.0	$3 \times 3 \times 2$	8	\$58.00	48	\$317.00	\$294.00
KX6828B	9×9	1.2/2.0	$5\frac{1}{4} \times 5\frac{1}{4} \times 2$	4	45.50	24	249.00	231.00
KX6828C	9×9	4.0/5.0	$5\frac{1}{4} \times 5\frac{1}{4} \times 3\frac{3}{4}$	4	63.00	24	342.00	317.00
KX6828F	10×10	1.0/1.5	$5\frac{1}{4} \times 5\frac{1}{4} \times 2\frac{1}{8}$	—	—	10	101.00	77.00
Cryoboxes for Microtubes								
KX6828G	9×9	0.2	$5\frac{1}{4} \times 5\frac{1}{4} \times 2$	4	\$58.00	24	317.00	294.00
KX6828D	9×9	0.5	$5\frac{1}{4} \times 5\frac{1}{4} \times 2$	4	58.00	24	317.00	294.00
KX6828E	8×8	1.5	$5\frac{1}{4} \times 5\frac{1}{4} \times 2$	4	58.00	24	317.00	294.00
Cryo-Storage Box								
KX6828H			$5\frac{1}{4} \times 5\frac{1}{4} \times 2$	4	47.50	24	261.00	242.00

Nalgene® Colored Cryoboxes™

Color-code up to 81 cryogenic samples per box!

These cryoboxes have five grid colors and an assortment pack that includes one of each grid color plus white for convenient, easy-to-identify inventory management. Molded of polycarbonate for ultra-low temperature use from -196 to 121°C . Designed for use with 1.0 to 2.0 mL cryogenic storage vials. 9×9 grids are easily viewable even when in rack systems. Transparent lids allow easy viewing of contents. Lid features numbered grid for quick sample identification. Assortment Pack offers low-cost start-up option.

Catalog Number	Grid Color	Case of 24	DAIGGER Case
KX3335A	Red	\$249.00	\$231.00
KX3335B	Yellow	249.00	231.00
KX3335C	Green	249.00	231.00
KX3335D	Blue	249.00	231.00
KX3335E	Gray	249.00	231.00
KX3335F	Assorted	249.00	231.00



Thermo Scientific Nunc Max Cryogenic Storage Boxes

- Polycarbonate boxes for storage of vials and microcentrifuge tubes
- Withstand temperatures to -196°C
- Stackable—fit most rack storage systems
- Includes polyester labels for front and top of box; and internal dividers made of coated chipboard which can be removed for larger items

Catalog Number	KX7359A	KX7359B	KX7359C
Array	10×10	10×10	8×8
For Vial Size	1.0 to 1.8 mL	3.6 mL	1.5 MCT's
Box L x W x H"	$5\frac{1}{4} \times 5\frac{1}{4} \times 2$	$5\frac{1}{4} \times 5\frac{1}{4} \times 3$	$5\frac{1}{4} \times 5\frac{1}{4} \times 2$
Pack of 4	\$63.00	\$76.00	\$61.00
Case of 24	315.00	377.00	303.00
DAIGGER Case	292.00	350.00	281.00
Replacement Dividers	KX7563A	KX7563B	KX7563C
Case of 24	\$113.00	\$113.00	\$113.00
DAIGGER Case of 24	101.00	101.00	101.00



Cardboard Tube Storage Boxes

Perfect for freezer or benchtop!

- Compatible with most LN₂ and mechanical square or upright storage racks
- Withstand temperatures to -80°C
- Drain holes vent LN₂ and help eliminate condensation
- Imprinted label for box identification
- Order interior dividers separately in table below
- Assorted colored boxes are ideal for identification and sorting purposes

Catalog Number	Description	Dimensions L x W x H"	Recommended Tube Size	Pack of 12	DAIGGER Pack
KX2860A	2" Box with Lid	5 1/4 x 5 1/4 x 1 5/16"	47 mm H	\$44.50	\$38.00
KX2860B	3" Box with Lid	5 1/4 x 5 1/4 x 2 5/16"	73 mm H	44.50	38.00
KX2860C*	2" Assorted Boxes w/ lid	5 1/4 x 5 1/4 x 1 5/16"	47 mm H	48.50	41.50

Dividers

Catalog Number	Description	Dimensions L x W x H"	Recommended Tube Size	Pack of 12	DAIGGER Pack
KX2860E	100-Cell	10 x 10	12 mm Vials 1.5/2.0 mL MCTs, 1.2/2.0 mL Cryovials	30.00	25.50
KX2860H	81-Cell	9 x 9	13 mm Vials 4.0/5.0 mL Cryovials	30.00	25.50
KX2860F	64-Cell	8 x 8	14 mm Vials	30.00	25.50
KX2860G	49-Cell	7 x 7	16 mm Vials	30.00	25.50

*These assorted 2" boxes include four red, four yellow, and four blue.

Assorted 2" box colors



Imprinted ID label



2" box with 100-cell divider

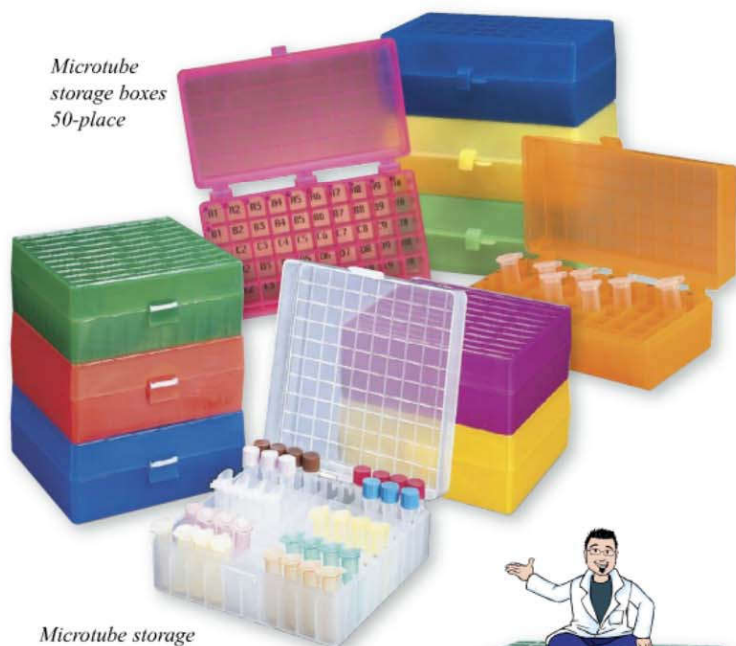


2" box with 81-cell divider



3" box with 49-cell divider

Microtube storage boxes 50-place



Microtube storage boxes 100-place



Locking Microtube Storage Boxes

A sturdy clasp holds lid securely closed yet opens easily when needed!

- Rugged polypropylene boxes hold 1.5 to 2.0 mL microtubes and cryovials
- Temperature range is 0 to 121°C
- Molded grid lines on lid; imprinted and raised coordinates on box; and imprinted coordinates on base
- Stacking ledges for easy vertical storage

Catalog Number	No. of Places	Color	Dimensions W x H x D"	Pack of 5	DAIGGER Pack
KX10601A	50	Natural	5 1/4 x 2 1/4 x 3 3/4	\$25.50	\$22.00
KX10601B	50	Assorted	5 1/4 x 2 1/4 x 3 3/4	25.50	22.00
KX10020N	100	Natural	5 1/2 x 2 1/4 x 5 1/16	51.00	43.50
KX10020B	100	Assorted	5 1/2 x 2 1/4 x 5 1/16	51.00	43.50

*Assorted pack contains one box each of yellow, green, orange, blue, and purple.



81-Well Freezer Storage Racks

- Hold 1.5 to 2.0 mL microtubes and cryovials
- Molded grid lines separate lid markings
- Alphanumeric grid coordinates are imprinted on bottom of each well
- Reference point on lid prevents sample mix-up
- Temperature range is -20 to 121°C

KX23255AX	Natural	KX23255EX	Yellow
KX23255BX	Blue	KX23255FX	Orange
KX23255MX	Green	KX23255GX	Assorted includes one each of colored racks only
KX23255DX	Pink		

List Case of 20 \$194.00

DAIGGER Case \$173.00

Thermo Scientific Nalgene CryoBox™ Racks

- Stainless steel racks with innovative retainers hold each box securely
- Use vertical racks for chest freezers; horizontal racks with side handles fit upright freezers
- Each shelf holds one cryobox



6810J



Catalog Number	Rack Style	No of Shelves	For Boxes*	Dimensions W x H x D"	Case of	List Case	DAIGGER Case
KX6810A	Vertical	4	6828A only	3 1/8 x 3 1/4 x 8 3/4	1	\$139.00	\$129.00
KX6810B	Vertical	9	6828A only	3 1/8 x 3 1/4 x 19 3/4	1	171.00	159.00
KX6810CC	Vertical	4	6828B/D/E/G	5 1/8 x 5 1/2 x 8 3/4	4	492.00	456.00
KX6810D	Vertical	9	6828B/D/E/G	5 1/8 x 5 1/2 x 19 3/4	1	650.00	600.00
KX6810K	Vertical	2	6828C/Mr. Frosty	5 1/8 x 5 1/2 x 8 3/4	1	164.00	152.00
KX6810F	Vertical	4	6828C/Mr. Frosty	5 1/8 x 5 1/2 x 16	1	186.00	173.00
KX6810G	Vertical	7	6828C/Mr. Frosty	5 1/8 x 3 1/4 x 27 3/4	1	237.00	219.00
KX6810H	Horizontal	12	6828B/D/E/G	5 1/8 x 8 7/8 x 17 1/2	2	404.00	375.00
KX6810J	Horizontal	16	6828B/D/E/G	5 1/8 x 8 7/8 x 23 1/4	2	450.00	417.00



Cryogenic/Freezer Racks

- Corrosion-resistant stainless steel—ideal in LN₂ or ultra-low freezers
- Choose racks for either 2" or 3" high x 5 1/4 x 5 1/4" cryoboxes

Vertical (up and down) Freezer Racks

Catalog Number	Box Size Inches	Box Capacity	Height Inches	DAIGGER Price
KX2862A	2	11	23 1/2	\$93.00
KX2862B	2	7	15	97.00
KX2862C	2	6	13	90.00
KX2862D	3	8	25	87.00
KX2862E	3	5	15 1/4	90.00
KX2862F	3	4	12 1/2	80.00

Horizontal (side-by-side) Freezer Racks

Catalog Number	Box Size Inches	Box Capacity	Dimensions W x H x D"	List Price	DAIGGER Price
KX2862G	2	12	22 x 6 1/2 x 5 1/2	\$174.00	\$148.00
KX2862H	2	16	22 x 9 x 5 1/2	126.00	115.00
KX2862J	3	9	16 1/2 x 9 1/2 x 5 1/2	174.00	148.00
KX2862K	3	12	22 x 5 9/16 x 5 1/2	112.00	104.00



Vertical rack 2862A



Horizontal rack 2862H



Arctic Squares Freezer Rack

Fully functional Arctic Squares® freezer rack is constructed of corrosion-resistant stainless steel with four drawers to hold 16 boxes. Drawers feature a unique stop that when fully extended pivot down allowing for easy box access. Freezer rack also includes a pull-out wire handle for easy removal off the shelf. Polycarbonate drawer handles provide a user-friendly grip. Includes a slot and label for drawer/sample identification.

Ideal for storage of Arctic Squares® and standard size boxes (133mm x 133mm x 53mm). Fits most standard upright freezers; overall rack size: 9.4" H x 5.5" W x 22.5" D (238 mm H x 139 mm W x 571 mm D).

Catalog Number	Description	Capacity	List Price	DAIGGER Price
KX8850C	Horizontal drawer system	16 boxes	\$233.00	\$199.00



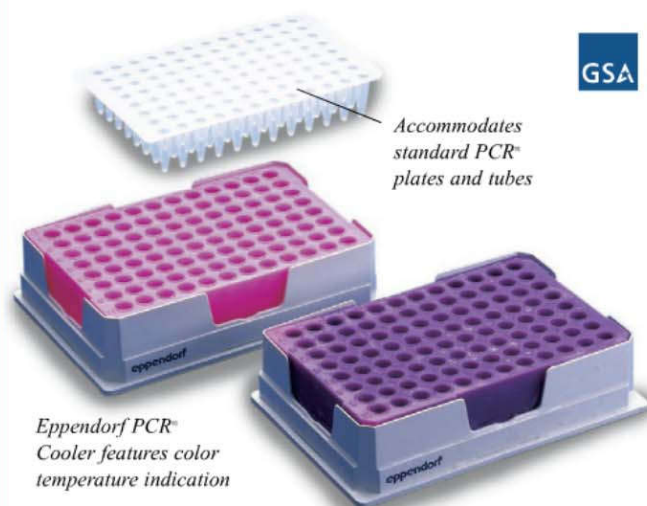


Freezer Storage Boxes/Racks for 15- and 50-mL Tubes

- Corrosion-resistant stainless steel racks with handles are well suited for use in regular freezers, ultra-low freezers, and even LN₂ storage
- Cardboard, cryogenic boxes and inserts provide storage for either 15 mL or 50 mL conical bottom centrifuges tubes—order inserts separately below for up to 36 x 15 mL tubes or 16 x 50 mL tubes

Catalog Number	Box Capacity	Dimensions W x H x D"	List Price	DAIGGER Price		
Vertical (up and down) Freezer Racks						
KX2839A	4	6½ x 19¾ x 6¼	\$105.00	\$87.00		
KX2839B	5	6½ x 24¾ x 6¼	111.00	95.00		
KX2839C	6	6½ x 29¾ x 6¼	117.00	100.00		
Horizontal (side-by-side) Freezer Racks						
KX2839D	4	5½ x 9¾ x 12¼	120.00	102.00		
KX2839E	6	5½ x 9¾ x 18¼	156.00	133.00		
KX2839F	8	5½ x 9¾ x 24	180.00	153.00		
Catalog Number	Description	Tube Capacity	Cell Size	Dimensions* W x H x D"	List Price	DAIGGER Price
Cardboard Cryogenic Boxes and Inserts						
KX2839G	Box	—	—	5¾ x 4¾ x 5¾	\$3.50	\$3.00
KX2839H	Insert	36 x 15 mL	1¾"	5½ ₁₆ x 2¾ x 5½ ₁₆	5.00	4.25
KX2839J	Insert	16 x 50 mL	¾"	5½ ₁₆ x 2¾ x 5½ ₁₆	5.00	4.25

*Box height shown is with tubes; box height without tubes is 3".



GSA

eppendorf

PCR®-Cooler

Color change indicates when its too warm for your samples!

- Provides a contamination-free way to prepare PCR reactions—an ideal alternative to ice baths
- Simply "charge-up" by placing the PCR-Cooler in a -20°C freezer for at least 2 hours
- Cools 0.2 mL or 0.5 mL tubes at temperatures between 0°C and 7°C for approximately two hours (at an ambient temperature of 22°C)
- Color changes from purple to pink or dark blue to light blue, indicating upper temperature limit of 7°C has been reached
- Clean with a mild detergent or with an alcohol-based disinfectant
- Do not use above 65°C

Catalog Number	Description	List Price	DAIGGER Price
KX2927AX	1 x Pink, 1 x Blue	\$140.00	\$130.00
KX2927BX	Pink	76.00	68.00
KX2927CX	Blue	76.00	68.00



eppendorf

Isotherm Benchtop Coolers

Maintains 0°C up to six hours or -21°C for 3 hours!

- Complete system includes two IsoPack cold packs (one for 0°C and one for -21°C), a transparent IsoRack, and an IsoSafe insulated transport box
- System is numbered for easy sample storage and identification
- Autoclavable, polycarbonate IsoRack with cover floats in a water bath for thawing or incubating samples and withstand temperatures down to -200°C
- IsoSafe box measures 8 1/2" L x 6 1/2" W x 5 1/2" H; IsoPack and IsoRack measure 3 1/4" L x 5" W x 2" H";

Catalog Number	Description	List Price	DAIGGER Price
KX7364A	Complete Isotherm System for 24 x 0.5 mL Tubes	\$163.00	\$151.00
KX7364B	Complete Isotherm System for 24 x 1.5 mL Tubes	163.00	151.00
KX7364C	IsoPack and IsoRack, 0°C for 1.5 to 2.0 mL Tubes	53.00	47.00
KX7364D	IsoPack and IsoRack, -21°C for 1.5 to 2.0 mL Tubes	53.00	47.00
KX7364E	IsoPack and IsoRack, 0°C for 0.5 mL Tubes	53.00	47.00
KX7364F	IsoPack and IsoRack, -21°C for 0.5 mL Tubes	53.00	47.00



Refrigerator Racks

Quickly chill your sample tubes right on the bench top!

- Lower section tray which can hold water or crushed ice; top inset tray secures tubes
- Molded polystyrene racks are designed to stack on top of each other to save bench top space

Catalog Number	For Tube Size	Number of Wells	L x W x H"	List Price	DAIGGER Price
KX28230AX	1.5 mL	50	10 3/4 x 5 1/2 x 2 1/8	\$51.00	\$29.00
KX28230BX	15 and 50 mL	15	11 x 6 5/8 x 5 1/4	51.00	29.00



True North® Chilling Jar

Quickly freeze samples at -1°C per minute rate

- Rapidly chill cryogenic vials in freezer—alcohol-filled jar speeds freezing rate
- Insert provides barrier while alcohol is securely contained
- Holds eight 1.2 to 2.0 mL cryogenic vials
- Includes polycarbonate jar, high-density polyethylene lid and insert, and polyurethane foam holder
- Measures 123 mm dia x 105 mm H

KX7501 Each \$75.00 **DAIGGER Price** **\$59.00**



Thermo Scientific Nunc Polycarbonate -20°C Labtop Cooler

- Maintains a temperature between -20°C and -15°C for up to two hours after removing from the freezer—ideal for benchtop work
- Provides protection during freezer storage in case of temperature fluctuations due to defrost cycles, open doors, or power loss
- Holds up to twenty microcentrifuge tubes or Cryotubes®—included inserts accommodate 0.2 mL thermal cycler tubes, and 0.5 mL microcentrifuge tubes
- Features a clear, alphanumeric-printed, keyed lid for easy orientation and a locking handle for easy transport
- Measures 9 3/4"L x 7 1/4"W x 5 1/2"H with handle lowered and 6 3/4"H with handle raised

KX2930A \$138.00 **DAIGGER Price** **\$128.00**



0°C Labtop Coolers

-20°C Labtop Cooler



Thermo Scientific Nalgene Labtop Coolers

Transport specimens without risk of thawing!

- Protect samples from power failures or temperature fluctuations
- Labtop coolers for -20°C maintain -15 to -20°C for up to 2 hours on benchtop; 0°C labtop coolers maintain 1°C for up to 5 hours on benchtop
- Stackable polycarbonate with a handle for carrying samples
- Keyed write-on grid on lid for sample ID
- Include 16 inserts to convert 1.5 mL holes to accept 0.5 mL tubes
- Clear cover is non-insulated; white cover is filled with insulating gel

Catalog Number	Tube Array	Holds Tubes	Cover Style	Dimensions L x W x H"	List Price	DAIGGER Price
-20°C Labtop Coolers						
KX6824A	3 x 4	0.5-2.0 mL mct's or cryovials	Clear	5 5/8 x 4 1/4 x 5	\$118.00	\$107.00
KX6824B	4 x 8	0.5-2.0 mL mct's or cryovials	White	9 1/8 x 6 3/8 x 5 3/4	216.00	197.00
0°C Labtop Coolers						
KX6824C	3 x 4	0.5-2.0 mL mct's or cryovials	Clear	5 5/8 x 4 1/4 x 4 1/8	155.00	144.00
KX6824D	3 x 4	12-13 mm Dia	Clear	7 3/4 x 5 1/2 x 7 1/2	138.00	128.00
KX6824E	3 x 4	16-17 mm Dia	Clear	7 3/4 x 5 1/2 x 7 1/2	138.00	128.00



Nalgene® "Mr Frosty"™ Freezing Container

Reliable, repeatable -1°C/min cooling!

- Requires only 100% isopropyl alcohol and mechanical freezer for cooling
- Holder keeps up to 18 x 1.2 to 2.0 mL vials cold—floats in water bath for thawing
- Molded numbers identify vials
- Polycarbonate container, high density polyethylene closure
- Instructions printed on jar

KX6821 NALGENE Mr. Frosty \$86.00 **DAIGGER Price** **76.00**





Thermo Scientific Nalgene High-Density Polyethylene Dewar Flasks

GSA

Durable all plastic construction!

- Shatterproof—great for short-term storage of ice, water; or dry-ice and liquid nitrogen
- Double walls are filled with CFC-free urethane foam and withstand temperatures from -196 to 100°C
- Feature vented insulated cover with cover securing tabs; and molded-in ribs, handle, pour spout, and bottom grip area for added safety

Catalog Number	Capacity L	ID mm	Inside Depth mm	Overall Height mm	List Each	Case of	DAIGGER Price
KX2933A	1	96	195	251	\$232.00	4	\$705.00
KX2933B	2	122	231	282	179.00	2	372.00
KX2933C	4	158	295	353	194.00	2	405.00
KX2933D	10	198	369	470	—	1	376.00

Stainless Steel Dewars

- For the storage of liquid oxygen, liquid nitrogen, and other low temperature liquid and gases
- Insulated walls help maintain low temperature conditions
- Resistant to vibration, impact or shock
- Supplied with lid and detachable carrying handle

Catalog Number	Capacity L	ID mm	OD mm	Depth mm	Height mm	List Price	DAIGGER Price
KX7365A*	0.5	65	87	178	203	\$415.00	\$385.00
KX7365B	1.0	85	107	206	231	505.00	467.00
KX7365C	1.0	100	122	157	175	575.00	535.00
KX7365D	2.0	100	122	284	312	680.00	630.00
KX7365E	3.0	185	200	160	191	880.00	815.00
KX7365F	6.0	185	200	270	300	1,150.00	1,065.00

*Not supplied with handle

LN₂ Dewars

Low-cost storage and transportation of liquid gases and dry ice!

- Fully silvered borosilicate evacuated glass liner provide maximum insulation
- Blue steel outer case protects against breakage due to bumps and dings
- Includes insulated and vented lids to maintain coolant and prevent pressure build-up
- Fixing clips hold the lids on when transporting
- Swing-over safety handles provide comfort while carrying

Catalog Number	Capacity L	ID mm	OD mm	Depth mm	Height mm	List Price	DAIGGER Price
KX7366A	1.0	105	120	225	245	\$374.00	\$347.00
KX7366B	2.0	125	145	250	270	464.00	430.00
KX7366C	4.5	165	185	322	343	655.00	605.00



Stainless Steel Cased Glass Dewars

Durable, corrosion-resistant outer casing!

- Fully silvered borosilicate evacuated glass liner provides maximum insulation
- Stainless steel outer case provides long service life and protects liner against breakage
- Includes insulated and vented lids to maintain coolant and prevent pressure build-up
- Lids can be securely attached to the dewar with latching clips
- Swing-over handles make carrying a snap

Catalog Number	Capacity L	ID mm	OD mm	Depth mm	Height mm	List Price	DAIGGER Price
KX7367A	1.0	105	120	225	245	\$403.00	\$374.00
KX7367B	2.0	125	145	250	270	486.00	450.00
KX7367C	4.5	135	185	322	343	650.00	600.00



A. Low-Form Dewars



C. Narrow-Mouth Dewars



B. Lab Grade Glass Dewars



D. Dewars with Metal Handles



Glass Laboratory Dewars

Evacuated to 10^{-5} torr for efficiency!

A Low-Form Dewars

- Hemispherical configuration in sizes that match standard flask sizes
- Full aluminum shielding provides exterior protection

B Lab Grade Dewars

- Efficient short-term storage or transport of liquid nitrogen
- Sturdy mesh cover for a firm grip and protection against bumping
- Supplied with a venting polyethylene stopper to minimize evaporation

C Narrow-Mouth Dewars

- Standard features include low evaporation cork stopper, fully shielded tip and partial aluminum shielded, weighted bases
- Order fiberglass caddie for added portability, easy pouring, and extra protection

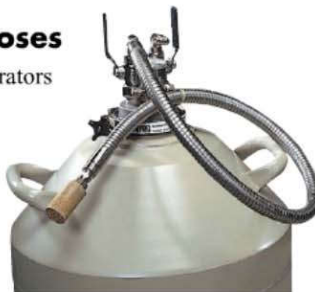
D Dewars with Handles

- Similar to the Lab Grade Dewars with the added benefits of a metal handle and full aluminum exterior shielding

Catalog Number	Dewar Description	Type	Protective Covering	ID mm	Depth mm	OD mm	Total Height mm	Fits Flask mL	List Price	DAIGGER Price
A Low-Form Dewars										
KX81101A	150 mL	Hemispherical	Aluminum	80	40	106	66	100	\$188.00	\$171.00
KX81201	275 mL	Hemispherical	Aluminum	100	55	132	75	250	240.00	219.00
KX81301	600 mL	Hemispherical	Aluminum	140	65	165	95	500	267.00	243.00
KX81201A	1000 mL	Hemispherical	Aluminum	160	88	186	119	1000	320.00	291.00
KX81201B	2000 mL	Hemispherical	Aluminum	194	110	240	133	2000	394.00	359.00
B Lab Grade Glass Dewars										
KX8815B	350 mL	Cylindrical	Mesh	70	125	86	157	—	115.00	105.00
KX8815C	1000 mL	Cylindrical	Mesh	70	302	86	337	—	119.00	109.00
KX8815D	1900 mL	Cylindrical	Mesh	120	190	150	252	—	274.00	249.00
KX8815E	4300 mL	Cylindrical	Mesh	143	305	178	365	—	361.00	329.00
C Narrow-Mouth Dewars										
KX86971	2000 mL	Spherical	Aluminum	158 (32 neck)	335	184 (64 neck)	386	—	560.00	510.00
KX86981	5000 mL	Spherical	Aluminum	216 (53 neck)	370	255 (79 neck)	456	—	655.00	600.00
KX302701	Fiberglass Caddie For 86971								234.00	217.00
KX303801	Fiberglass Caddie For 86981								237.00	220.00
D Dewars with Metal Handles										
KX81201H	350 mL	Cylindrical	Aluminum	70	125	86	157	—	151.00	137.00
KX81201J	1000 mL	Cylindrical	Aluminum	70	302	86	337	—	153.00	139.00
KX81201K	1900 mL	Cylindrical	Aluminum	120	190	150	252	—	328.00	298.00
KX81201L	4300 mL	Cylindrical	Aluminum	120	305	178	365	—	418.00	381.00

Liquid Nitrogen Transfer Hoses

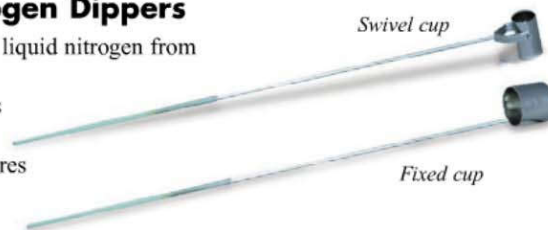
- Flexible hoses fill your dewars or refrigerators with liquid nitrogen
- CGA 295 fitting for attachment to standard LN₂ supply tanks on one end; 3/8" NPT(M) on the other
- LN₂ phase separator 68521FF (shown right) sold separately on page 222



Catalog Number	Length ft	List Price	DAIGGER Price
KX7368A	6	\$274.00	\$240.00
KX7368B	10	354.00	310.00

Liquid Nitrogen Dippers

- Use to withdraw liquid nitrogen from storage dewars
- Handle measures 16 1/2" long
- Fixed cup measures 2" dia x 1 1/2" H



Catalog Number	Description	Volume Held	List Price	DAIGGER Price
KX7374C	Swivel Cup	12 mL	\$153.00	\$142.00
KX7374B	Fixed Cup	10 mL	105.00	92.00



One-Liter Thermo-Flask™

Plastic exterior absorbs shock better than metal!

- Rugged plastic shell protects glass interior
- Borosilicate glass liners, evacuated to 1×10^{-5} mm of Hg, provide maximum coolant retention
- Wide-mouth flask includes carrying handle and "push-fit" insulated lid
- Vented lid prevents gas pressure build-up
- Flasks have an 89 mm ID, 114 mm OD, and measure 229 mm high

KX222110 One-Liter Thermo-Flask \$212.00

DAIGGER Price **193.00**

Thermolyne® Locator® Cryobiological Storage System

- Stainless steel racks fit snugly against the vessel wall so units can hold multiple racks
- Heavy gauge aluminum, double-walled vacuum-insulated construction with narrow-mouth neck for minimal nitrogen loss
- Unbeatable temperature uniformity with advanced vacuum insulation, assures all samples are stored below -190°C , even when less than 2" of liquid nitrogen remains in vessel



Catalog Number	KX6801	KX6854A	KX6854B
Description	Locator Jr.®	Locator 4®	Locator 8®
Working Volume (L)	51	111	111
Avg. Static LN ₂ Consumption (L/day) [†]	0.85	0.99	0.60
No. of Racks Included	4	4	8
Cryogenics Boxes Held	16	36	72
Box L x W x H"	5 1/4 x 5 1/4 x 2	5 1/4 x 5 1/4 x 2	3 x 3 x 2
Max Vials Held	1600	3600	1800
Static Holding Time	60 days	112 days	185 days
Vessel H x Dia"	29 x 22	37.5 x 22	38.3 x 22
Shpg Wt	90 lb	115 lb	117 lb
List Price	\$4,125.00	\$4,840.00	\$4,642.00
DAIGGER Price	3,445.00	4,040.00	3,875.00

Catalog Number	Description	List Price
KX6802T	Four-Wheel Rolling Dolly for Vessels Above	\$332.00
KX6802Y	Inventory Control Logbook for Vessels	250.00

[†]Normal evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history and manufacturing tolerances. Working time is an arbitrary, reference only value to estimate container performance under the actual operating conditions. Actual working time may vary widely depending on individual use patterns.

Liquid Nitrogen Dewars

Store liquid nitrogen up to 4 months!

- High strength aluminum outer shells are lightweight yet incredibly strong
- Advanced insulation provides excellent thermal protection
- Snap-on cap and necktube core assure positive closure to help minimize nitrogen loss
- High-performance necktube joins inner and outer container for maximum durability
- Handles facilitate transfers
- Accessories include manual transfer device for safe dispensing of liquid phase LN₂; pouring spout for vapor phase removal and roller base for easy transport of entire dewar



Catalog Number	KX6849A	KX6849B	KX6849C	KX6849D	KX6849E	KX6849F
LN ₂ Capacity (L)	4	5	10	21	32	50
Static Holding Time (days) [†]	10	6	45	109	152	122
Normal Evaporation (L/day) [†]	0.19	0.15	0.18	0.18	0.22	0.49
Neck Diameter (mm)	35.5	56	56	51	64	64
Overall Height x Diameter (mm)	426 x 185	462 x 222	546 x 260	627 x 368	611 x 432	779 x 432
Weight Empty/Full (kg)	2.7/6.0	4.0/8.0	6.0/14.0	9.0/26.0	12.0/38.0	15.0/56.0
List Price	\$1,050.00	\$1,015.00	\$980.00	\$1,135.00	\$1,285.00	\$1,570.00
DAIGGER Price	918.00	890.00	860.00	996.00	1,124.00	1,374.00
Pouring Spout	KX68491B 292.00		KX68491C 292.00	KX68491D 292.00	KX68491E 292.00	KX68491F 292.00
Manual Withdrawal Device	KX68492C 955.00		KX68492D 955.00	KX68492E 955.00	KX68492F 955.00	KX68492F 955.00
Roller Base	KX68493D 317.00		KX68493E 313.00	KX68493F 313.00	KX68493F 313.00	KX68493F 313.00

[†]Normal evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history and manufacturing tolerances. Working time is an arbitrary, reference only value to estimate container performance under the actual operating conditions. Actual working time may vary widely depending on individual use patterns.

High-Capacity Cryogenic Refrigerators

Complete with canisters for sample storage!

- Offer high-performance and cost-effective storage for semen, embryos, or biological samples
- Achieve storage temperatures as low as -196°C
- Each size maximizes holding time for a given quantity of liquid nitrogen
- High-strength shell encases thermal foam insulated container
- Slotted, numbered index ring allows rapid sample location
- Each refrigerator includes canisters to hold samples immersed in LN_2 and measuring rod to determine LN_2 levels
- Order aluminum canes separately above



Catalog Number	KX6852A	KX6852B	KX6852C	KX6852D	KX6852F
LN_2 Capacity (L)	20.5	22	32	33.4	47.4
Working Time (days) [†]	140	40	57	154	76
Normal Evaporation (L/day) [†]	0.09	0.35	0.35	0.14	0.39
Neck Diameter (mm)	55.4	97	97	70	127
Overall Height x Diameter (mm)	652 x 368	559 x 368	546 x 464	660 x 464	673 x 508
No. of Canisters	6	6	9	6	6
Canister Height x Diameter (mm)	279 x 41.9	279 x 79	279 x 67	279 x 56	279 x 102
1.2/2.0 mL Vial Capacity	210	810	855	360	1320
Weight Empty/Full (kg)	11.8/28.3	11.8/30	13.6/39.5	15.4/42.5	16.4/54.6
List Price	\$1,390.00	\$2,010.00	\$2,240.00	\$1,955.00	\$1,720.00
DAIGGER Price	1,218.00	1,760.00	1,962.00	1,712.00	1,565.00
Roller Base	—	—	KX68525C	KX68525C	KX68525F
List Price	—	—	\$313.00	\$313.00	\$317.00

[†]Normal evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history and manufacturing tolerances. Working time is an arbitrary, reference only value to estimate container performance under the actual operating conditions. Actual working time may vary widely depending on individual use patterns.

Cryogenic Shippers

Unique patented absorbent keeps samples cold and dry at cryogenic temperatures!

- LN_2 is held in the absorbent so leakage or spillage cannot occur
- Supplied with canisters or rack to hold vials and straws
- Optional hard shell shipping case has shock resistant foam liner and hinged lid to provide extra protection in transit

Note: Intended for shipping only; absorbent prevents use as an efficient LN_2 dispensing dewar.



Catalog Number	KX68522F	KX68522G	KX68522H	KX68522A	KX68522C	KX68522D	KX68522E
LN_2 Capacity (L)	1.5	2.9	3.6	4.3	8.5	10	12.3
Working Time (days) [†]	8	14	14	21	10	14	85
Normal Evap. (L/day) [†]	0.19	0.2	0.26	0.20	0.85	0.7	0.09
Neck Diameter (mm)	35	35	35	51	216	216	51
Overall Height x Diameter (mm)	343 x 184	495 x 184	468 x 222	492 x 222	546 x 369	584 x 381	652 x 368
No. of Canisters	1	1	1	1	1 rack	—	2
Canister Height x Diameter (mm)	127 x 31	278 x 31	278 x 67	278 x 46	—	317	278 x 38
Vial Cap. (1.2/2.0 mL)	9	24	106	48	500	966	180
Weight Empty/Full (kg)	2.7/4	4/5	5/8.1	5.9/9.3	10.9/17	13.6/103.4	13.6/23.3
List Price	\$1,740.00	\$2,095.00	\$1,653.00	\$1,890.00	\$4,705.00	\$4,420.00	\$1,940.00
DAIGGER Price	1,524.00	1,836.00	1,450.00	1,656.00	3,715.00	3,490.00	1,702.00
Shipping Carton	—	—	—	KX6851A	Included	Included	—
List Price	—	—	—	545.00	—	—	—

Rack System Cryogenic Refrigerators

Extra large capacity allows storage in 25- or 100-cell boxes!

Designed for the storage of cryovials in racks containing 25-cell and 100-cell boxes. Rack system allows easy location and quick retrieval of samples. Opening maintains low vapor temperatures (-185°C) and provides economical evaporation rates.

Refrigerators come complete with racks and measuring ruler to monitor liquid nitrogen level. Racks will fit most standard 5 x 5 or 10 x 10 matrix cryogenic boxes. Order boxes separately below.



Catalog Number	KX68521A	KX68521B	KX68521C	KX68521D
LN ₂ Capacity (L)	47.4	61	121	175
Static Holding Time (days) [†]	76	38	70	104
Normal Evaporation (L/day) [†]	0.39	0.5	0.76	0.65
Neck Diameter (mm)	127	216	216	216
Overall Height x Dia (mm)	673 x 508	680 x 559	950 x 559	950 x 665
No. of Racks Includes	6	4	4	6
Box Capacity	30	20	40	60
Vial Capacity/Box (1.2/2.0 mL)	25/5 x 5	100/10 x 10	100/10 x 10	100/10 x 10
Vial Capacity Total (1.2/2.0 mL)	750	2000	4000	6000
Weight Empty/Full (kg)	16/44.2	21.6/66.9	31.8/97.7	40.8/150
List Price	\$2,815.00	\$5,070.00	\$5,685.00	\$6,130.00
DAIGGER Price	2,470.00	4,000.00	4,485.00	4,840.00

[†]Normal evaporation rate and static holding time are nominal. Actual rate may be affected by the nature of the contents, atmospheric conditions, container history and manufacturing tolerances. Working time is an arbitrary, reference only value to estimate container performance under the actual operating conditions. Actual working time may vary widely depending on individual use patterns.



Extended-Time Cryogenic Refrigerators

Store samples at up to -196°C for up to 224 days!

- State-of-the-art design features and advanced insulation for long static holding and working times
- Samples vials (1.2, 2 or 5 mL) are held on canes (order separately), and stored in included canisters suspended from the neck of the refrigerator vessel
- Includes measuring rod to monitor LN₂ level

Catalog Number	KX68523A	KX68523B	KX68523C	KX68523D	KX68523F	KX68523G
LN ₂ Capacity (L)	3	8.4	11	16.4	33	36
Normal Working Time (days) [†]	19	35	46	74	182	224
Normal Evaporation (L/day) [†]	0.12	0.15	0.15	0.14	0.13	0.10
Neck Diameter (mm)	51	51	51	51	51	51
Overall Height x Diameter (mm)	406 x 222	470 x 260	549 x 260	444 x 438	657 x 464	691 x 464
No. of Canisters	6	6	6	9	6	6
Canister Height x Diameter (mm)	127 x 38	127 x 38	279 x 38	127 x 38	279 x 38	279 x 38
1.2/2.0 mL Vial Capacity	—	—	150	—	150	150
Weight Empty/Full (kg)	3.6/6.5	5.3/12.1	7.7/16.6	6.4/19.6	15.4/42.4	15.4/45.4
List Price	\$1,590.00	\$1,665.00	\$1,635.00	\$2,545.00	\$1,750.00	\$2,035.00
DAIGGER Price	1,394.00	1,460.00	1,434.00	2,230.00	1,534.00	1,784.00
Roller Base	—	—	—	—	KX68523FF	KX68523FF
List Price	—	—	—	—	\$313.00	\$313.00



Cryo-Gloves® and Cryo-Aprons®

- Protect against injury from both cryogenic and hot materials from -160 to 150°C (-260 to 300°F)
- Machine washable and dryable

Water-Resistant Cryo-Gloves

- Abrasion and cut-resistant— confidently handle rough and sharp objects
- Not for immersion in liquid nitrogen

Gryo-Gloves

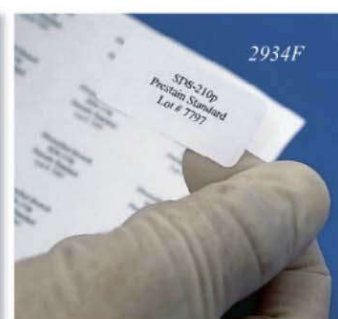
- Identical to above gloves but with seamless heat-sealed liners for total protection from liquids

Cryo-Aprons

- Offer splash protection for torso and legs
- Adjustable straps at neck and waist



Catalog Number	Style	Length Inches	Size	List per Pair	DAIGGER Pair
Water-Resistant Cryo-Gloves					
KX970A	Wrist	12	S	\$107.00	\$95.00
KX970B	Wrist	12	M	107.00	95.00
KX970C	Wrist	12	L	107.00	95.00
KX972A	Mid-Arm	14	S	114.00	102.00
KX972B	Mid-Arm	14	M	114.00	102.00
KX972C	Mid-Arm	14	L	126.00	112.00
KX974A	Elbow	18	M	136.00	126.00
KX974B	Elbow	19	L	136.00	126.00
KX974C	Elbow	20	XL	136.00	126.00
Cryo-Gloves					
KX976A	Wrist	12	S	125.00	116.00
KX976B	Wrist	12	M	125.00	116.00
KX976C	Wrist	12	L	125.00	116.00
KX978A	Mid-Arm	14	S	135.00	125.00
KX978B	Mid-Arm	14	M	135.00	125.00
KX978C	Mid-Arm	14	L	135.00	125.00
KX978D	Mid-Arm	14	XL	135.00	125.00
KX980A	Elbow	18	M	222.00	202.00
KX980B	Elbow	19	L	166.00	154.00
KX980C	Elbow	20	XL	222.00	202.00
Catalog Number	L x W"			List Price	DAIGGER Price
Cryo-Apron					
KX982A	36 x 24			134.00	122.00
KX982B	42 x 24			145.00	134.00
KX982C	48 x 24			157.00	146.00



Cryo-Babies™ and Cryo-Tags™ Labels

- Withstand vapor and liquid phase nitrogen storage at -196°C; direct sunlight; water baths at 100°C; and dry heat up to 150°C
- Resist most detergents and oils, as well as many organics solvents and caustic agents without peeling
- Laser printer labels are available in a wide variety of sizes for microtubes, cryotubes, bottles, cryoboxes, and other containers
- Stay-flat sheets will not jam in laser printers and provide professional-quality printing results

Catalog Number	Size Inches	Qty	List Price	DAIGGER Price
Cryo-Babies and Cryo-Tags				
KX2934A	1 1/4 x 1/2	1000/roll	\$35.50	\$31.00
KX2934B	1 1/2 x 3/4	1000/roll	35.50	31.00
Cryo-Babies and Cryo-Tags for Laser Printers				
KX2934C	1 x 1/2	2380/pack	71.00	62.00
KX2934D	1 1/2 x 1/2	1700/pack	71.00	62.00
KX2934E	1 x 2 1/2	600/pack	71.00	62.00
KX2934F	1 1/2 x 3/4	1200/pack	71.00	62.00
KX2934G	1 1/16 x 3/4	1040/pack	71.00	62.00
KX2934H	8 1/2 x 11	1040/pack	59.00	51.00

Catalog Number	Size Inches	Qty/Sheet	Qty/Pack	List Pack	DAIGGER Pack
Assorted Cryo-Tags*					
KX1406A	1 1/16 x 3/4	52	1,040	\$71.00	\$62.00
KX1406B	1 1/2 x 3/4	60	1,200	71.00	62.00
KX1406E	1 1/2 x 1/4	156	3,120	71.00	62.00
KX1406F	2 3/8 x 1	30	600	71.00	62.00
Assorted Cryo-Babies*					
KX1406C	1 3/32 x 1/2	85	1,700	71.00	62.00
KX1406D	1 3/16 x 1/2	119	2,380	71.00	62.00

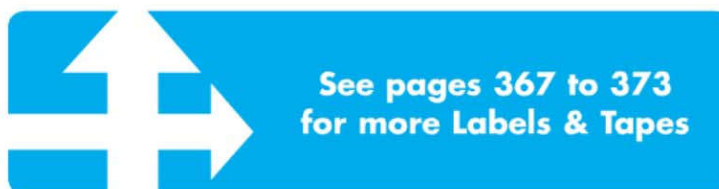
* Assorted packs contain 4 sheets of blue, green, orange, red, and yellow.



Cryogenic Label Tape

- Self-adhesive tape withstands temperatures down to -232°C

Catalog Number	Width Inches	Roll of 300	DAIGGER Roll
KX14825AA	1/2	\$27.50	\$23.00
KX14825BB	3/4	40.50	34.50
KX14825CC	1	55.00	46.00





Dual Cryogenic Transport and Storage Systems

Ship dry or store liquid nitrogen in the same vessel!

- Stores a given volume of liquid nitrogen in absorbent for shipping purpose
- Excess liquid nitrogen remains in "wet" state, up to the vessel maximum
- Each dewar includes color-coded canisters and cryo-canes to allow easy retrieval of samples
- Smaller models come complete with reusable "mushroom" shipping case to prevent damage
- Lockable lid on shipping case prevents unauthorized entry

Catalog Number	KX7443A	KX7443B	KX7443C
LN ₂ Capacity (L)	10	18.5	28
Absorbed LN ₂ Capacity (L)	3	3	8
Normal Working Time Laboratory (days) [†]	42	125	50
Normal Working Time Shipper (days) [†]	21	21	24
Neck Diameter (mm)	51	56	97
Overall Height x Diameter (mm)	549 x 259	653 x 368	559 x 462
1.2/2.0 mL Vial Capacity	288	396	1440
Shpg Wt (kg)	14.4	20.5	21.9
List Price	\$1,865.00	\$2,040.00	\$2,465.00
DAIGGER Price	1,730.00	1,890.00	2,285.00

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Tough-Spots™

- Withstand water baths; conventional and cryogenic freezers; most organic solvents; and caustic agents without peeling or degrading
- Laser Tough-Spots are 3/8" diameter labels for laser printers—perfect for labeling large volumes of samples

Catalog Number	Color	Spot Diameter	Pack of	List Pack	DAIGGER Pack
Tough-Spots (Rolls)					
KX1374WX	White	3/8"	1000	\$29.50	\$25.50
KX1374RX	Red	3/8"	1000	29.50	25.50
KX1374YX	Yellow	3/8"	1000	29.50	25.50
KX1374GX	Green	3/8"	1000	29.50	25.50
KX1374BX	Blue	3/8"	1000	29.50	25.50
KX1375WX	White	1/2"	1000	29.50	25.50
KX1375RX	Red	1/2"	1000	29.50	25.50
KX1375YX	Yellow	1/2"	1000	29.50	25.50
KX1375GX	Green	1/2"	1000	29.50	25.50
KX1375BX	Blue	1/2"	1000	29.50	25.50
Laser Tough-Spots (Sheets)					
KX1376WX	White	3/8"	3840	71.00	62.00
KX1377WX	White	1/2"	3840	71.00	62.00



Thermo Scientific Nalgene Cryoware Labels and Markers

Cryoware Labels

- Durable cloth, 25 x 50 mm labels adhere to plastic and cardboard storage boxes
- Will not peel or shrink when removing from mechanical or vapor-phase* LN₂ freezers

Cryoware Markers

- Smear-proof ink markers permanently mark cloth, cardboard and plastic
- Will not fade at low temperatures

Catalog Number	Description	Pack of	List Pack	DAIGGER Pack
KX6823A	Plain Cryoware Labels	200	\$56.00	\$49.50
KX6823C	Cryoware Marker Set	4*	24.00	20.50

*Pack of 4 includes one each of red, green, blue, and black.