Thermo Scientific Cold Storage Tubes and Accessories

Everything you need to protect your samples

Thermo SCIENTIFIC

maximize storage space
and decrease cost

You can decrease the cost to store your samples by HALF simply by maximizing your storage space.

The cost to store samples is not limited to the sample tube itself. Always consider the cost of freezers, the floor space they take up in your laboratory and the power they consume. By simply switching from standard 1.0-2.0 mL cryogenic tubes in a 9 x 9 format to a dense, 13 x 13 format Cryobox and 1.0mL Thermo Scientific™ Nunc™ Cryobank™ tubes, you can double your sample storage.

See page 9 and visit thermoscientific.com/densestorage

Learn more about our cold storage equipment!
See our full line of freezers, refrigerators and other cold storage solutions at thermoscientific.com/cold

Thermo Scientific Sample Storage Products

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Researchers worldwide protect more than two billion samples inside Thermo Scientific cold storage equipment. With proven solutions including +4°C refrigerators down to -196°C cryogenic freezers and Thermo Scientific™ Nunc™ and Nalgene™ tubes and accessories, you are free to concentrate on your work without worrying about the security of your valuable samples.

Nunc and Nalgene products are the best cryogenic storage systems on the market; together, they provide everything you need. The Nalgene externally threaded portfolio offers options for genomic applications, hand operated use and limited contamination risk. Nunc internally- or externally-threaded tubes, Thermo Scientific™ Nunc™ Cryobank™ Tubes and Nunc Universal System Tubes serve biobanking, pharma and high throughput applications.

Barcoded Storage Tubes

Rely on Thermo Scientific™ Nunc™ Cryobank™ and Bank-It™ tubes for reliable storage of your biological samples at temperatures down to vapor phase of liquid nitrogen. Cryobank and Bank-It Tubes are provided standard with a permanent laser-etched 2D barcode for secure sample tracking. The 0.5 and 1.0mL tubes are supplied in a standard ANSI microplate-footprint locking rack. The 2.0 and 5.0mL tubes are supplied in a non-locking ANSI microplate-standard footprint rack featuring a latched lid design that is compatible with manual or automated use. Bulk packaged configurations are available for all sizes, and 0.5mL and 1.0mL tubes are available with color caps. Sterile, polypropylene.

Stringent Quality Control. 2D barcodes are scanned for 100% readability and checked against a full database of previous barcodes to ensure no duplicates across the Cryobank and Thermo Scientific™ Matrix™ storage tube product lines. Leak testing validation performed during the manufacturing process to ensure sample integrity is maintained.

Certified to meet your storage needs

- CE marked
- 0.5 and 1.0mL tubes conform to IATA requirements for transportation
- Certified DNase-, RNase-, pyrogen-, and toxin-free
- Sterility assurance level 10^{-6} for the most sensitive sample storage

Cat. No.	Volume, mL	Description	Barcoding	Packaging	Tubes per Pack/Case	Rack Type
374086	0.5	Cryobank tube, natural cap	2D	Rack	96/960	Locking
374025	0.5	Cryobank tube, blue cap	2D	Rack	96/960	Locking
374026	0.5	Cryobank tube, red cap	2D	Rack	96/960	Locking
374027	0.5	Cryobank tube, green cap	2D	Rack	96/960	Locking
374074	0.5	Bank-it tube, natural cap	2D	Rack	96/960	Locking
331851	0.5	Cryobank tube, natural cap	2D	Bulk	96/960	-
374087	0.5	Cryobank tube, natural cap	Uncoded	Rack	96/960	Locking
374083	0.5	Cryobank tube, natural cap	Uncoded	Rack	96/192	Locking
374080	0.5	Cryobank tube, natural cap	Uncoded	Bulk	96/960	-
374088	1.0	Cryobank tube, natural cap	2D	Rack	96/960	Locking
374110	1.0	Cryobank tube, green cap	2D	Rack	96/960	Locking
374120	1.0	Cryobank tube, red cap	2D	Rack	96/960	Locking
374130	1.0	Cryobank tube, blue cap	2D	Rack	96/960	Locking
374137	1.0	Cryobank tube, natural cap	2D	Bulk	96/960	-
374089	1.0	Cryobank tube, natural cap	Uncoded	Rack	96/960	Locking
374081	1.0	Cryobank tube with white patch, natural cap	Uncoded	Bulk	96/960	-
374115	1.0	Cryobank tube with white patch, natural cap	Uncoded	Bulk	169/845	-
374078	1.0	Bank-it tube, natural cap	2D	Rack	96/960	Locking
374221	2.0	Cryobank tube, natural cap	2D + Human Readable	Rack	48/480	Universal latch
374258	2.0	Cryobank tube, natural cap	2D + Human Readable	Bulk	48/960	-
374223	2.0	Cryobank tube, natural cap	Uncoded	Rack	48/480	Universal latch
374259	2.0	Cryobank tube, natural cap	Uncoded	Bulk	48/960	-
374220	5.0	Cryobank tube, natural cap	2D + Human Readable	Rack	48/480	Universal latch
374261	5.0	Cryobank tube, natural cap	2D + Human Readable	Bulk	48/528	-
374222	5.0	Cryobank tube, natural cap	Uncoded	Rack	48/480	Universal latch
374260	5.0	Cryobank tube, natural cap	Uncoded	Bulk	48/528	-

Universal Tubes

Thermo Scientific™ Nunc™ Universal Tubes are available racked or in bulk, with 2D barcodes or non-coded to serve every need. Part of the Universal System, these tubes offer the best features of the Thermo Scientific storage tube portfolio: universal cap, universal latch rack, and free-standing tube design - all for either benchtop or automation use. Available in 1.8mL external-thread, 2.0mL internal-thread, and 5.0mL external-thread tissue tube designs, Nunc Universal Tubes offer key options for your sample storage applications.

Ideal for both low throughput benchtop use and high throughput automation.

- Tubes feature graduations and a white patch for manual marking
- 1.8 and 2.0mL tubes are compatible with Nunc handheld and Capit-All decappers
- Racked tubes feature microplate-footprint design and are automation pickable
- 2D barcode is compatible with readers

Universal Cap Design Ensures Secure Storage.

- Single piece construction with a molded-in gasket cannot be overtightened
- Thermoplastic elastomer gasket handles room temperature down to VPLN

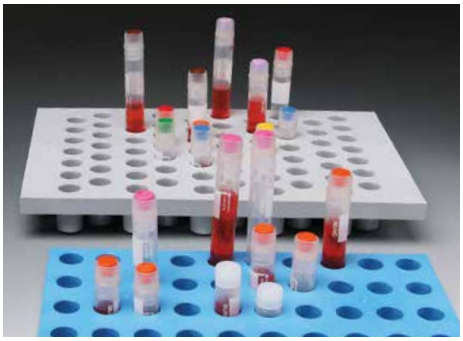
Secure Tracking in all Applications.

- Permanently-bonded laser-etched barcode on each tube
- High-resolution unique barcode enables tube tracking
- Every barcode is scanned to ensure readability and uniqueness

Stringent Quality Control. Every 2D barcoded storage tube is scanned to ensure readability. All barcodes are checked against our database of previously-assigned codes to prevent duplicates. Every tube has a Sterility Assurance Level of 10^{-6} and is made with class VI medical grade resins.

Cat. No.	Description	Barcoding	Marking	Tubes per Rack or Pack/Case
374500	Nunc 1.8 mL Tube, External Thread Universal, in Universal Latch Rack	2D on tube bottom	White patch and Graduations	48/480
374501	Nunc 1.8 mL Tube, External Thread Universal, in Universal Latch Rack	None	White patch and Graduations	48/480
374502	Nunc 1.8 mL Tube, External Thread Universal, Bulk	2D on tube bottom	White patch and Graduations	48/480
374502NOV	Nunc 1.8mL Tube, External Thread Universal, Bulk	2D on tube bottom 1D on tube side	White patch and Graduations	48/480
374503	Nunc 1.8 mL Tube, External Thread Universal, Bulk	None	White patch and Graduations	48/480
331830	Universal Latch Rack for Nunc 1.8 mL, Tubes	-	-	10 empty racks
374510	Nunc 2.0mL Tube, Internal Thread Universal, in Universal Latch Rack	2D on tube bottom	White patch and Graduations	
374511	Nunc 2.0 mL Tube, Internal Thread Universal, in Universal Latch Rack	None	White patch and Graduations	48/480
374512	Nunc 2.0 mL Tube, Internal Thread Universal, Bulk	2D on tube bottom	White patch and Graduations	48/480
374513	Nunc 2.0 mL Tube, Internal Thread Universal, Bulk	None	White patch and Graduations	48/480
331835	Universal Latch Rack for Nunc 2.0 mL Tubes	-	-	10 empty racks
374320	Nunc 5.0 mL Tube, Low Profile External Thread Universal, in Universal Latch Rack	2D on tube bottom	White patch and Graduations	24/240
374321	Nunc 5.0 mL Tube, Low Profile External Thread Universal, in Universal Latch Rack	None	White patch and Graduations	24/240
374322	Nunc 5.0 mL Tube, Low Profile External Thread Universal, Bulk	2D on tube bottom	White patch and Graduations	240
374323	Nunc 5.0 mL Tube, Low Profile External Thread Universal, Bulk	None	White patch and Graduations	240
331840	Universal Latch Rack for Nunc 5.0 mL Low Profile Tubes	-	-	10 Empty Racks

Cryogenic Storage Tubes



Nunc cryogenic storage tubes and accessories are designed to work together and provide the best solutions for the most trusted sample storage in applications such as:

- Irreplaceable high value content storage including peace of mind when storing down to VPLN
- Tissue, cells, blood storage for biobanking
- Regulated applications

Cat. No.	Size, mL	Thread Style	Bottom Style	Anti-Rotation Base	Self Standing	Printed	Sterile	Vapor LN_2 (to -196°C)	Universal Latch Rack Available	No. per Pk/Cs.
374080*	0.5	internal	conical	yes	yes	no	yes	yes	yes	96/960
374081*	1.0	internal	conical	yes	yes	no	yes	yes	yes	96/960
375353	1.0	external	conical	yes	yes	yes	yes	yes	no	50/500/2000
375299	1.0	external	round	no	no	yes	yes	no**	no	50/500/2000
347597	1.0	external	conical	yes	yes	no	yes	yes	no	50/500/2000
377224	1.0	internal	conical	yes	yes	yes	yes	yes	yes	50/500/2000
366656	1.0	internal	conical	no	yes	yes	yes	yes	yes	50/500/2000
375418	1.8	external	round	yes	yes	yes	yes	yes	no	50/450/1800
340711	1.8	external	round	no	no	yes	yes	no**	no	50/500/2000
347627	1.8	external	round	yes	yes	no	yes	yes	no	50/450/1800
377267	1.8	internal	round	yes	yes	yes	yes	yes	yes	50/450/1800
368632	1.8	internal	round	no	yes	yes	yes	yes	yes	50/450/1800
363401	1.8	internal	round	no	no	yes	yes	yes	yes	50/500/2000
351934	1.8	internal, NC	round	no	no	yes	no	yes	yes	500/2500
379189	3.6	internal	round	yes	yes	yes	yes	yes	yes	50/400/1600
366524	3.6	internal	round	no	no	yes	yes	yes	yes	50/400/1600
367997	3.6	internal, NC	round	no	no	yes	no	yes	yes	250/1500
337516	4.5	external	round	yes	yes	yes	yes	yes	no	50/300/1200
347643	4.5	external	round	yes	yes	no	yes	yes	yes	50/300/1200
379146	4.5	internal	round	yes	yes	yes	yes	yes	yes	50/300/1200
363452	4.5	internal	round	no	no	yes	yes	yes	yes	50/300/1200

* Cryobank Tubes **Suitable for storage down to -80°C only. NC: No Cap

Features of these premium products include:

- Compliance with IATA for shipping and CE marked for diagnostic sample storage in the EU
- Low cellular adhesion and low protein binding
- Non-cytotoxic, non-mutagenic plastics and pyrogen-free, IVD compatible tubes ensure sample integrity
- Tubes certified DNase- and RNase-free for genomic applications
- Certification of SAL 10^{-6} for the highest sterility assurance available
- Internally-threaded tubes suitable for storage down to the vapor phase of liquid nitrogen
- Externally threaded options can store at higher general refrigeration temperatures (+4°C)
- Extensive accessory line including microplate-footprint Universal Racks

Color Coders

Polycarbonate coders snap into the caps of Nunc CryoTubes for easy identification of samples.

Cat. No.	Color	No. per Pk/Cs.
355018	green	500/2000
354968	red	500/2000
375884	pink	500/2000
355158	orange	500/2000
355077	yellow	500/2000
375868	brown	500/2000
375922	purple	500/2000
354755	white	500/2000
375906	gray	500/2000
354879	blue	500/2000
375930	assorted	500/2000

Holders

Made of autoclavable polyphenylene oxide material, this 40-tube anti-rotation holder is ideal for one-handed capping and decapping.

Cat. No.	Array	Interlocking Design	No. per Pk/Cs.
376589	4 x 10	yes	1/15

CryoTube Mini boxes

Ideal for storing and shipping small quantities of samples.

- Holds 1.0 and 2.0 mL tubes
- Friction-fit lids stay in place
- Durable high-impact construction polystyrene protects samples

Cat. No.	No. of Tubes Held	No. per Pk/Cs.
534479	5	350
534592	10	200

Universal Latch Rack

Store 48 internally-threaded or 24 externally-threaded Nunc cryotubes in microplate footprint racks.

- Lids lock, pivot or lift off for use during transport, on the bench and in automation
- Microplate footprint for easy automated handling and storing tubes in the same format as other microplate footprint tubes
- 18mm spacing enables use with Thermo Scientific 8-Channel Decapper and Capit-All products, and pipettes

Cat. No.	Compatible Tubes No. of Tubes Held	No. per Pk/Cs.
331827	Nunc Internally-Threaded Tubes from 1-1.8 mL*; holds 48 tubes	10/10
331826	Nunc Internally-Threaded Tubes from 3.6-4.5 mL; holds 48 tubes	10/10

*Does not include Cryobank

Nalgene Cryogenic Storage Tubes

Ideally suited for research and general lab storage such as:

- High value content storage
- General purpose storage applications

Features of these high quality products include:

- Large writing areas accommodate more written sample information and graduations for easy visual volume assessment
- Non-cytotoxic raw materials for added sample security and tubes certified DNAse- and RNAse-free for genomic applications
- External threading enhances aseptic technique
- Thermo Scientific™ Nalgene™ System 100™ vials allow for maximum storage capacity and come with a gasket closure
- Certified SAL of 10^{-6} for the highest sterility assurance available
- Suitable for storage from general cold storage refrigeration (+4°C) down to the vapor phase of liquid nitrogen
- CE marked for storage of diagnostic samples in the EU

Cat. No.	Size, mL	Bottom Style	Anti-Rotation Base	Self Standing	Printed Writing Area	Sterile	DNAse/RNAse Free	Vapor LN_2 (to -150°C)	No. per Pk/Cs.
5000-1012*	1.0	conical	yes	yes	yes	yes	yes	yes	25/500
5000-0012	1.2	conical	yes	yes	yes	yes	yes	yes	25/500
5012-0012	1.2	conical	yes	yes	yes	yes	yes	yes	– /1000 bulk
5011-0012	1.2	conical	yes	yes	yes	no	no	yes	– /1000 bulk
5000-1020*	1.5	conical	yes	yes	yes	yes	yes	yes	25/500
5000-0020	2.0	conical	yes	yes	yes	yes	yes	yes	25/500
5012-0020	2.0	conical	yes	yes	yes	yes	yes	yes	– /1000 bulk
5011-0020	2.0	conical	yes	yes	yes	no	no	yes	– /1000 bulk
5000-0050	5.0	conical	yes	yes	yes	yes	yes	yes	10/250
5005-0015	15.0	flat	no	yes	yes	yes	no	no**	5/75

* System 100™ tubes with polypropylene closure and internal silicone gasket

**Suitable for storage down to -80°C only

high quality products

for your research and laboratory applications

Color Coders

Polystyrene coders snap into the caps of Nalgene Cryogenic Tubes for easy sample identification.

Cat. No.	Color	No. per Pk/Cs.
5045-0000	white	100/500
5045-0002	yellow	100/500
5045-0003	blue	100/500
5045-0004	green	100/500
5045-0005	red	100/500

Benchtop Cryogenic Tubes Holders

Anti-rotation polycarbonate holders for one-handed capping and decapping.

Cat. No.	Array	Anti-Rotation Design	No. per Pk/Cs.
5030-0510	5 x 10	yes	1/4
5030-0505*	5 x 5	yes	1/4

* Tube holders are staggered for easy tube viewing

Warning: Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen unless properly sealed in Nunc CryoFlex tubing. Such use may cause entrapment of liquefied nitrogen inside the vial and lead to pressure build-up resulting in possible explosion or biohazard release.

identify & track
your samples with ease

Thermo Scientific Cryogenic Tube Barcoding Services

Pre-label Nunc or Nalgene Cryogenic Tubes with barcodes for easy tracking of samples in databases, LIMS or Excel files. Choose from non-custom codes in stock and available to ship immediately, or customize codes to fit any system.

- Non-custom codes available and in stock for both Nalgene and Nunc Cryogenic tubes most popular sizes
- Custom codes available for nearly any Nunc or Nalgene tubes include code 128 (subset A & B or subset C), Interleave 2 of 5 and Code 39
- Robust codes are direct-printed onto white patches for high contrast, durability and readability
- Available with human readable text for the ability to read without barcode readers
- Barcodes are resistant to isopropyl alcohol, 100% butanol, 10-20% DMSO, 5% bleach, 10% acetic and hydrochloric acids and 10% NaOH
- Small minimums available to suit any size study

Custom Available Barcoded Tubes

Tube	Maximum Characters				
	Code 128 C (numeric)	Code 128A (alpha and numeric)	Code 128B (alpha and numeric)	Interleaved 2 of 5 (numeric)	Code 39 (alpha and numeric)
1.0 mL Nalgene System 100	10 total (num)	N/A	N/A	10 total (num)	N/A
1.0 mL Nunc	N/A	N/A	N/A	N/A	N/A
1.2 mL Nalgene	10 total (num)	N/A	N/A	10 total (num)	N/A
1.5 mL Nalgene System 100	18 total (num)	12 total (9 num+3 alpha)	12 total (9 num+3 alpha)	18 total (num)	9 total (num or alpha)
1.8 mL Nunc	9 total (num)	9 total (num or alpha)	9 total (num or alpha)	9 total (num)	9 total (num or alpha)
2.0 mL Nalgene	18 total (num)	12 total (9 num+3 alpha)	12 total (9 num+3 alpha)	18 total (num)	9 total (num or alpha)
3.6 mL Nunc	9 total (num)	14 total (9 num+5 alpha)	14 total (9 num+5 alpha)	9 total (num)	14 total (9 num+5 alpha)

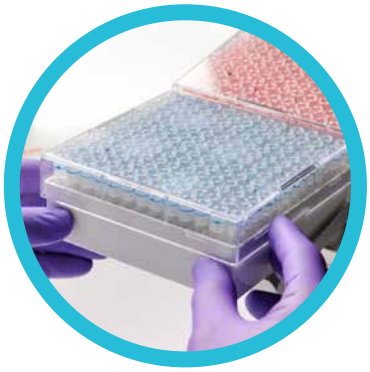
Standard Available Barcoded Tubes

Cat. No.	Description	Human Readable	Thread Type	Volume/ Capacity	Code Type	OD (mm/in)	Height (mm/in)	No per pack/ No per case
373530	Nunc Cryogenic Tube	Yes	Internal	1.8 mL	Interleave 2 of 5	12.5/0.492	48/1.89	50/450/1800
5001-0012	Nalgene Cryogenic Tube	Yes	External	1.2 mL	Code 128	13.5/0.531	38.1/1.5	20/500
5001-0050	Nalgene Cryogenic Tube	Yes	External	5 mL	Code 128	13.5/0.531	92/3.622	25/250
5001-0020	Nalgene Cryogenic Tube	Yes	External	2 mL	Code 128	13.5/0.531	48.3/1.902	20/500
5001-1020	Nalgene System 100 Cryogenic Tube	Yes	External	1.5 mL	Code 128	12/0.472	48/1.89	20/500

Dense Low Temperature Storage

The Dense Low Temperature Storage System uses standard Cryobox sizes that work with the freezer racks you currently own. By using standard boxes with 13 x 13 tube separators, 169 1 mL Cryobank tubes fit in a standard size Cryobox – effectively doubling your capacity, and cutting storage costs by 50%.*

double your storage
within the space you already have



Catalog #	Description	Units per Pack/Case
374081	1.0 mL Cryobank Tubes, no barcode, with printed white patch, with Caps, Sterile, Loose packed	96/960
374115	1.0 mL Cryobank Tubes, no barcode, with printed white patch, with Caps, Sterile, Loose packed	169/845
5050-0169	Cryobox, with 13 x 13 divider, 133 x 133 x 52, PC, white with clear lid	4/24
369640	Storage Box with 13 x 13 (169) compartments for Cryobank Tubes (132 x 132 x 52 mm), cardboard, white	4/24
5050-0001	Cryobox, use to -150ºC, undivided, 133 x 133 x 52 mm, PC, white with clear lid	4/24
374001	Storage Box 13 x 13 (169) replacement divider	4/24
369678	Picker Pen for Cryobank Cap	1/24

* Compared with a standard Cryobox that stores 81 samples

To learn more about the Dense Storage System, visit thermoscientific.com/densestorage

Nunc and Nalgene Cryoware Boxes

Cardboard Boxes

Nunc brown and white cardboard boxes provide economical choices for shorter term storage. The boxes can be written on with standard pens.

Cat. No.	No. of Tubes Held	For Tubes, mL	Color	Dimensions including lid, mm	No. per Pk/Cs.
369639	81	1.0 – 1.8	white	132 x 132 x 51	48
369647	81	3.6	white	132 x 132 x 75	30
340053	100	1.0 – 1.8	white	145 x 145 x 51	42
340061	100	3.6	white	145 x 145 x 75	30
378247	25	1.0 – 1.8	brown	75 x 75 x 51	24
378220	81	1.0 – 1.8	brown	132 x 132 x 51	6
369640	169	1.0 mL Cryobank	white	132 x 132 x 51	46
374001* 13 x 13 divider	169	1.0 mL Cryobank	NA	NA	24

*** Insert only; for use with 5050-0001**

Plastic Boxes

Break-resistant, durable polycarbonate. Additional boxes are available for microcentrifuge tubes and glass vials.

- Durable, all-plastic construction for short- or long-term storage
- Keyed lids prevent misalignment
- Autoclavable; usable temperature range of -196°C to +121°C
- Printed grid on the lid for easy inventory management

Nunc MAX Storage Box, stackable, white box and lid

Cat. No.	No. of Tubes Held	Dimensions, mm/in	No. per Pk/Cs.
374187 MAX-100	100	132 x 132 x 52 / 5.25 x 5.25 x 2.125	4/24
341483 Mega MAX-100	100	132 x 132 x 78 / 5.25 x 5.25 x 3.0625	4/24

Nalgene Cryobox, white box with clear lid to view contents

Cat. No.	No. of Tubes Held	Dimensions, mm/in	No. per Pk/Cs.
5025-0505	25	76 x 76 x 52 / 3 x 3 x 2	8/48
5026-0909	81	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24
5026-1010*	100	133 x 133 x 52 / 5.25 x 5.25 x 2	– /10
5027-0909	81	133 x 133 x 95 / 5.25 x 5.25 x 3.75	4/24
5050-0001	n/a	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24
5050-0169	169	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24

*** Suitable for externally threaded tubes**

Nalgene Colored Cryobox, white box with clear lid to view contents and colored insert as indicated

Cat. No.	Insert Color	No. of Tubes Held	Dimensions, mm/in	No. per Pk/Cs.
867013-0240	red	81	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24
867013-0241	yellow	81	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24
867013-0242	green	81	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24
867013-0243	blue	81	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24
867013-0244	gray	81	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24
867013-0245	asst.	81	133 x 133 x 52 / 5.25 x 5.25 x 2	4/24

Thermo Scientific™ Nunc™ CryoFlex™ Tube Wrap

Heat shrink/pinch each end with Nalgene or Nunc vial inside to prevent leakage of liquid nitrogen into the vial during storage.

Cat. No.	Length x ID, mm	No. per Pk/Cs.
343958	500 x 14	15/300

Labels and Markers

Cloth labels accept markers or ballpoint pen and are specifically designed for use at ultra-low temperatures - adhere to plastic and cardboard without shrinking or peeling.

Nalgene Cryoware Labels

Cat. No.	Label Dimensions, mm/in	No. per Pk/Cs.
5040-0002	25 x 50 / 1 x 2	200/2000

Nalgene Cryoware Marker Set and Nunc Cryo Pen

Cat. No.	Color(s)	No. per Pk/Cs.
6313-0010	1 each– red, blue, green, black	4/24
339993	1 each– red, blue, green, black	4/24
343850	black	1/10

Nalgene Aluminum Canes and Nunc Storage Cane

Choose from standard or stepped to accommodate a variety of vial sizes and designs.

Cat. No.	Design	Length, mm/in	No. per Pk/Cs.
5015-0001	stepped	290 / 11.3125	12/48
5015-0002	standard	300 / 11.8125	12/48
378441	standard	290 / 11.3125	– /50

Aluminum Color Coders for Canes

Attach to the end of the cane and can be written on for quick identification and inventory management.

Cat. No.	Color	No. per Pk/Cs.
DS5020-0000	white	– /100

* US Patent No. 4,501,108

Note: Nunc Storage Cane Coders can only be used with Nunc Storage Canes. See Compatibility Chart on p. 14.

CryoSleeve™ Tubing

Transparent plastic tubing fits any Thermo Scientific Nunc or Nalgene cane. Provides extra security during handling.

Cat. No.	Design	Length, mm/in	No. per Pk/Cs.
5016-0001	273/10.8125	–/100	12/48

Freezer Racks

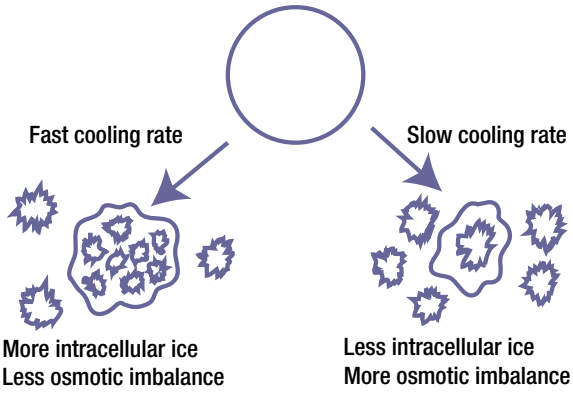
Durable Nalgene stainless steel and Nunc aluminum racks conveniently store standard 5-1/4 x 5-1/4'' (132x132mm) cryoboxes. Freezer racks fit into most common upright and chest freezers.

Check chart on p.17 for compatibility

Cat. No.	Style	No. of Compartments	Dimensions, cm/in (W x D x H)	No. per Pk/Cs.
DS5035-0004	vertical	4	8.3 x 8.4 x 22.5 / 3.25 x 3.375 x 8.75	1/4
DS5035-0009	vertical	9	8.3 x 8.4 x 50.2 / 3.25 x 3.375 x 19.75	1/4
5036-0004	vertical	4	14 x 14.3 x 22.5 / 5.5 x 5.625 x 8.75	1/4
5036-0009	vertical	9	14 x 14.3 x 50.2 / 5.5 x 5.625 x 19.75	1/4
DS5037-0004	vertical	4	14 x 14.3 x 40.6 / 5.5 x 5.625 x 16	1/4
DS5037-0007	vertical	7	14 x 14.3 x 70.5 / 5.5 x 5.625 x 27.75	1/4
5038-4322	horizontal	12	44.4 x 22.5 x 14.3 /8.875 x 5.625 x 17.5	– /2
5038-4422	horizontal	16	59.0 x 22.5 x 14.3 / 8.875 x 5.625 x 23.25	– /2
367000	vertical	12	67 x 14.3 x 14 /26.5 x 5.625 x 5.531	1 /1

Thermo Scientific™ Mr. Frosty™ Freezing Container

Once cells and a cryoprotectant have been combined and dispensed into vials, the next step is to cool the suspension. The rate of cooling is important since it affects the rate of formation and size of ice crystals, as well as the solution effects that occur during freezing. Different types of cells may require different cooling rates, however a uniform cooling rate of 1°C per minute from ambient temperature is effective for a wide variety of cells and organisms. The Mr. Frosty container provides a simple-to-use system designed to achieve a rate of cooling very close to 1°C per minute.



Use a cooling rate of 1ºC/minute and a cryoprotective agent to minimize damage due to osmotic imbalance and ice crystal formation.

- Holds 12 to 18 vials and has profile height of 86 or 151 mm (3-7/16 to 5-5/16”), which saves precious freezer space during the cooling process
- Screw top lid secures samples inside in the event of accidental container tipping
- Eliminates unreliable, improvised foam container devices
- Easy to use – requires only 100% isopropyl alcohol and a mechanical freezer
- No sample contact with the alcohol: no wicking, no label removal and no compromise of vial hand printing

Mr. Frosty, polycarbonate; blue HDPE closure

Cat. No.	Tube Compatibility	Tube Capacity	Dimensions OD x H, mm	Color	No. per Pk/Cs.
5100-0001	1.0-2.0 mL	18	117 x 86	clear/blue lid	1
5100-0036	3.6 mL	12	117 x 151	clear/blue lid	1
5100-0050	4.5-5.0 mL	12	117 x 151	clear/blue lid	1

HDPE Dewar Flasks

For short term storage of samples in liquid nitrogen, dry ice-solvent mixtures or ice water.

- High density polyethylene base and cover with polyethylene coated handle for strong, shatterproof performance
- Use from -196°C to +100°C
- Pour spout and bottom grip area for ease of pouring out used liquids
- Vented, insulated cover allows for vapor escape but maintains sample temperature

Nalgene Dewar Flasks, HDPE

Cat. No.	Capacity, L	Mouth I.D., mm/in	Inside Depth, mm/in	Overall Height, mm/in	No. per Pkg/Cs
4150-1000	1	96/3.8	195/7.7	251/9.9	1/4
4150-2000	2	122/4.8	231/9.1	282/11.1	1/2
4150-4000	4	158/6.2	295/11.6	353/13.9	1/2
4150-9000	10	198/7.8	396/15.6	470/18.5	– /1

Nalgene and Nunc Labtop Coolers

Protect enzymes, cells, reagents and solutions by maintaining freezer temperatures while on the laboratory bench.

- Maintain freezer temperature during the frost-free cycle, power failure and accidental door opening
- Hold 12, 20 or 32 tubes
- Inserts are included for use with 0.2– 0.5 ml microcentrifuge tubes
- Printed grid on one-way keyed lid for proper orientation and sample identification
- Molded of impact-resistant polycarbonate
- Stackable, with locking handle

LabTop Coolers, polycarbonate

Nalgene Cat. No.	Style	No. of Compartments	Temp. Rating °C	Holds Temp., hours	Dimensions, mm/in (L x W x H)	No. per Pk/Cs.
DS5116-0012	non filled/clear	3 x 4	0	<1°C, 3.5	151 x 108 x 125 / 5.3215 x 4.25 x 4.9375	1/1
DS5116-0032	gel-filled/white	4 x 8	0	<1°C, 5.0	243 x 157 x 146 / 9.5625 x 6.1875 x 5.75	1/1
5115-0012	non filled/clear	3 x 4	-20	< -15°C, 1	151 x 108 x 125 / 5.3125 x 4.25 x 4.9375	1/1
5115-0032	gel-filled/white	4 x 8	-20	< -15°C, 2	243 x 157 x 146 / 9.5625 x 6.1875 x 5.75	1/1

Nunc Cat. No.	Style	No. of Compartments	Temp. Rating °C	Holds Temp., hours	Dimensions, mm/in (L x W x H)	No. per Pk/Cs.
355501	non filled/clear	4 x 5	-20	< -15°C, 1	226 x 165 x 133 / 8.9375 x 6.5 x 8.25	1/1

Compatibility Chart for Nunc and Nalgene Cryogenic Tubes, Holders and Coders

TUBES			HOLDERS		CODERS		
	Cat. No.	Size, mL	Nalgene Cat. No. 5030-0505	Nalgene Cat. No. 5030-0510	Nunc Cat. No. 376589	Nalgene Cat. No. 5045-series	Nunc Cat. No. 354755, 354879, 354968, 355018, 355077, 355158, 375884, 375868, 375906
Nalgene	5000-0012	1.2	●	●	●	●	
	5000-0020	2.0	●	●	●	●	
	5000-0050	5.0	●	●	●	●	
	5000-1012	1.0	●	●	●	●	
	5000-1020	1.5	●	●	●	●	
	5011-0012	1.2	●	●	●	●	
	5011-0020	2.0	●	●	●	●	
	5012-0012	1.2	●	●	●	●	
	5012-0020	2.0	●	●	●	●	
	5001-0012	1.2	●	●	●	●	
	5001-0020	2.0	●	●	●	●	
	5001-0050	5.0	●	●	●	●	
	5001-1020	1.5	●	●	●	●	
Nunc	337516	4.5		●	●		●
	340711	1.8		●	●		
	347597	1.0		●	●		●
	347627	1.8		●	●		●
	347643	4.5		●	●		●
	375299	1.0			●		
	375353	1.0		●	●		●
	375418	1.8		●	●		●
	363401	1.8		●	●		●
	363452	4.5		●	●		●
	366524	3.6		●	●		●
	366656	1.0		●	●		●
	368632	1.8		●	●		●
	377224	1.0		●	●		●
	377267	1.8		●	●		●
	379146	4.5		●	●		●
	379189	3.6		●	●		●
	351934	1.8		●	●		●
	367997	3.6		●	●		●

● Anti-rotation tube base for one-handed capping/decapping

● Skirted base for free-standing capability

● Color coders snap into cap

Compatibility Chart for Thermo Scientific Nunc and Nalgene Storage Boxes, Canes and Color Coders

TUBE			BOXES									
			Nalgene Cat No.				Nunc Cat No.					
	Cat No.	Size, mL	5025-0505	5026-0909 867013-024X	5026-1010	5027-0909	341483	374187 340053	369639	378247	369647	340061
Nalgene	5000-0012 5001-0012	1.2	●	●					●	●		
	5000-0020 5001-0020	2.0	●	●					●	●		
	5000-0050 5001-0050	5.0				●						
	5000-1012	1.0	●	●	●			●	●	●		
	5000-1020 5001-1020	1.5	●	●	●			●	●	●		
	5011-0012	1.2	●	●					●	●		
	5011-0020	2.0	●	●					●	●		
	5012-0012	1.2	●	●					●	●		
	5012-0020	2.0	●	●					●	●		
Nunc	337516	4.5				●						
	340711	1.8	●	●					●	●		
	347597	1.0	●	●					●	●		
	347627	1.8	●	●					●	●		
	347643	4.5				●						
	363401 351934	1.8	●	●	●			●	●	●		
	363452	4.5				●						
	366524 367997	3.6					●				●	●
	366656	1.0	●	●	●			●	●	●		
	368632	1.8	●	●	●			●	●	●		
	375299	1.0							●	●		
	375353	1.0	●	●					●	●		
	375418	1.8	●	●					●	●		
	377224	1.0	●	●	●			●	●	●		
	377267	1.8	●	●	●			●	●	●		
	379146	4.5				●						
	379189	3.6					●				●	●

● Compatible

Note: Nunc storage box dividers will not fit in Nalgene 5050-0001 storage box

Compatibility Chart for Nunc and Nalgene Cryogenic Tubes, Holders and Coders (continued)

	TUBES		CANES		
	Cat No.	Size, mL	Nalgene Cat. No. 5015-0001	Nalgene Cat. No. 5015-0002	Nunc Cat. No. 378441
Nalgene	5000-0012	1.2	●	●	●
	5000-0020	2.0	●	●	●
	5000-0050	5.0		●	●
	5000-1012	1.0	●	●	●
	5000-1020	1.5	●	●	●
	5011-0012	1.2	●	●	●
	5011-0020	2.0	●	●	●
	5012-0012	1.2	●	●	●
	5012-0020	2.0	●	●	●
	5001-0012	1.2	●	●	●
	5001-0020	2.0	●	●	●
	5001-0050	5.0		●	●
	5001-1020	1.5	●	●	●
Nunc	337516	4.5		●	●
	340711	1.8	●	●	●
	347597	1.0	●	●	●
	347627	1.8	●	●	●
	347643	4.5		●	●
	363401	1.8	●	●	●
	363452	4.5		●	●
	366524	3.6		●	●
	366656	1.0	●	●	●
	368632	1.8	●	●	●
	375299	1.0	●	●	●
	375353	1.0	●	●	●
	375418	1.8	●	●	●
	377224	1.0	●	●	●
	377267	1.8	●	●	●
	379146	4.5		●	●
	379189	3.6		●	●
	351934	1.8	●	●	●
	367997	3.6		●	●

	CANES	COLOR CODERS
	Cat No.	Nalgene Cat. No. DS5020
Nalgene	5015-0001	●
	5015-0002	●
Nunc	378441	●

● Compatible

Note: Nalgene CryoSleeve Cat. No. 5016-0001 will fit over the above 3 canes.

Compatibility Chart for Nunc and Nalgene Accessories

	VIALS		MR. FROSTY			CRYOTUBE CONTAINERS	
	Cat No.	Size, mL	Nalgene Cat. No. 5100-0001	Nalgene Cat. No. 5100-0036	Nalgene Cat. No. 5100-0050	Nunc Cat. No. 534479	Nunc Cat. No. 534592
Nalgene	5000-0012	1.2	●			●	●
	5001-0012	2.0	●			●	●
	5000-0020 5001-0020	5.0			●		
	5000-1012	1.0	●			●	●
	5000-1020 5001-1020	1.5	●			●	●
	5011-0012	1.2	●			●	●
	5011-0020	2.0	●			●	●
	5012-0012	1.2	●			●	●
	5012-0020	2.0	●			●	●
Nunc	337516	4.5			●		
	340711	1.8	●			●	●
	347597	1.0	●			●	●
	347627	1.8	●			●	●
	347643	4.5			●		
	363401 351934	1.9	●			●	●
	363452	4.5			●		
	366524 367997	3.6		●			
	366656	1.0	●			●	●
	368632	1.8	●			●	●
	375299	1.0	●			●	●
	375353	1.0	●			●	●
	375418	1.8	●			●	●
	377224	1.0	●			●	●
	377267	1.8	●			●	●
	379146	4.5			●		
	379189	3.6		●			

● Compatible

Compatibility Chart for Thermo Scientific Nunc and Nalgene Cryobox Racks

BOXES		RACKS								
		Nalgene Cat No.								Nunc Cat No.
	Cat No.	DS5035 -0004	DS5035 -0009	5036-0004	5036-0009	DS5037 -0004	DS5037 -0007	5038-4322	5038-4422	367000
Nalgene	5025-0505	●	●							
	5026-0909			●	●			●	●	●
	5026-1010			●	●			●	●	●
	5027-0909					●	●			
	5050-0001			●	●			●	●	●
	867013-240			●	●			●	●	●
	867013-241			●	●			●	●	●
	867013-242			●	●			●	●	●
	867013-243			●	●			●	●	●
	867013-244			●	●			●	●	●
	867013-245			●	●			●	●	●
Nunc	341483					●	●			●
	374187			●	●			●	●	●
	378220			●	●			●	●	●
	378247	●	●							
	369639			●	●			●	●	●
	369647					●	●			●
	340053									
	340061									

● Compatible

Compatibility Chart for Labtop Coolers

TUBES			LABTOP COOLERS				
	Cat No.	Size, mL	Nalgene Cat. No. 5116-0012	Nalgene Cat. No. 5116-0032	Nalgene Cat. No. 5115-0012	Nalgene Cat. No. 5115-0032	Nunc Cat. No. 355501
Nalgene	5000-0012	1.2	●	●	●	●	●
	5000-0020	2.0	●	●	●	●	●
	5000-0050	5.0					
	5000-1012	1.0	●	●	●	●	●
	5000-1020	1.5	●	●	●	●	●
	5011-0012	1.2	●	●	●	●	●
	5011-0020	2.0	●	●	●	●	●
	5012-0012	1.2	●	●	●	●	●
	5012-0020	2.0	●	●	●	●	●
	5001-0012	1.2	●	●	●	●	●
	5001-0020	2.0	●	●	●	●	●
	5001-0050	5.0					
	5001-1020	1.5	●	●	●	●	●

● Compatible

Note: Nunc Tubes are not compatible with Nalgene Labtop Coolers

TUBES			LABTOP COOLERS
	Cat No.	Size, mL	Nunc Cat. No. 355501
Nunc	337516	4.5	
	340711	1.8	●
	347597	1.0	●
	347627	1.8	●
	347643	4.5	
	375299	1.0	
	375353	1.0	●
	375418	1.8	●
	363401	1.8	●
	363452	4.5	
	366524	3.6	
	366656	1.0	●
	368632	1.8	●
	377224	1.0	●
	377267	1.8	●
	379146	4.5	
	379189	3.6	
	351934	1.8	●
	367997	3.6	

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