

Boost productivity with Nalgene and Nunc color-capped sample storage tubes

Visibility and reliability to streamline your workflows

Increase efficiency in sample management, improve accuracy, and reduce the risk of errors with Thermo Scientific™ Nalgene™ and Nunc™ color-capped sample storage tubes.

Available in 7 different options, including 6 vibrant colors—red, orange, yellow, green, blue, and purple—these preassembled storage tubes facilitate easy visual identification and organization, reducing handling and increasing efficiency.

In addition to a broad array of colors, you'll find a wide variety of sizes, capping styles, formats, and integrated sample identification options to support both manual and automated processing needs.

No matter what size, cap color, or format you choose, you'll get reliability and performance you can count on. Each tube is designed and manufactured to securely store and preserve the integrity of your precious samples.

Quality features

- Manufactured under strict quality and environmental controls
- Made from virgin, medical-grade polypropylene
- Certified non-cytotoxic
- Certified to be free of detectable RNase/DNase contamination
- Sterility assurance level of 10^{-6}
- Endotoxin levels comply with USP <85>
- Verified for sample storage from ambient temperatures down to the vapor phase of liquid nitrogen



Automation-ready storage

Improve the efficiency and throughput of your sample storage workflow with automation-ready Thermo Scientific™ Nunc™ Universal Tubes.

- A permanent, unique 2D barcode is laser-etched on the bottom of each tube to support accurate sample identification and tracking
- For enhanced tracking, 1D linear and human-readable barcodes are offered that match the tubes' 2D barcodes
- Designed to be compatible with automated processes, enabling efficiency and scalability in sample processing and storage workflows for low- to high-throughput applications



Manual storage

Nalgene and Nunc color-capped sample storage tubes are ideal for manual sample storage processing and have been trusted by researchers for decades to keep their most precious samples protected—even in the harshest of low-temperature conditions. Our sample storage tubes help protect your work while enhancing your workflows.

- Available in bulk packs with compatible dense-storage, space-saving cryoboxes sold separately
- Large writing areas accommodate more sample information
- Graduations support easy, rapid visual volume assessment
- Color coder cap inserts are compatible with manual Thermo Scientific™ Nalgene™ tubes, offering up to 35 unique color combinations for even the most complex organization needs

Cryo vial color coder cap inserts

[Thermo Scientific™ Nalgene™ Cryo Vial Closure Color Coders*](#)

*Compatible with Thermo Scientific™ Nalgene™ manual cryo vials only.

Find the color-capped sample storage tubes to meet your individual requirements

Browse our most popular Nalgene and Nunc color-capped sample storage tubes for long-term cryogenic storage, biobanking, and cell culture applications.

Colored capping options

Catalog numbers (Cat. No.) represent a cryotube with a clear-colored cap. Add a three-character color code to each catalog number for the colored version variant.

Manual tubes: Add the color code (key to the right) to the end of the catalog number. For example, 5000-1012RED = a red-capped Nalgene 1.0 mL cryotube.

Automation tubes: Add the color code before the first dash in the catalog number. For example, 374510BLU-WP1D-BR = a blue-capped Nunc Universal 2.0 mL cryotube.

Color character key

RED = Red
ORG = Orange
YEL = Yellow
GRN = Green
BLU = Blue
PUR = Purple



Ordering information

Thermo Scientific™ Nalgene™ General Long-Term Storage Cryogenic Tubes

Thread	Total capacity (mL)	Working volume (mL)	Bottom style	Sterile	Cap color	Anti-rotation base	Writing area	Storage	Packaging qty.		Cat. No.
								Cryobox	Pack	Case	
External	1.0	0.9	V	Yes			Yes	10 x 10	25	500	5000-1012
External	1.8	1.5	V	Yes		Yes	Yes	10 x 10	25	500	5000-1020
External	1.2	1.0	V	Yes		Yes	Yes	9 x 9	25	500	5000-0012
External	1.2	1.0	V	Yes		Yes	Yes	9 x 9	1,000	1,000	5012-0012
External	2.0	1.8	V	Yes		Yes	Yes	9 x 9	25	500	5010-0020
External	2.0	1.8	V	Yes		Yes	Yes	9 x 9	1,000	1,000	5012-0020
External	5.0	4.5	V	Yes		Yes	Yes	9 x 9	10	250	5010-0050

Thermo Scientific™ Nunc™ Biobanking and Cell Culture Cryogenic Tubes

Thread	Total capacity (mL)	Working volume (mL)	Bottom style	Sterile	Cap color	Anti-rotation base	Writing area	Storage	Packaging qty.		Cat. No.
								Cryobox	Pack	Case	
External	1.2	1.0	V	Yes		Yes	Yes	9 x 9, 10 x 10	500	2,000	375353
External	2.0	1.8	U	Yes		Yes	Yes	9 x 9, 10 x 10	450	1,800	375418
External	5.0	4.5	U	Yes		Yes	Yes	9 x 9, 10 x 10	300	1,200	337516

Thermo Scientific Nunc Universal Tubes

Thread	Total capacity (mL)	Working volume (mL)	Bottom style	Sterile	Barcode on tube	Cap color	Writing Area	Rack style	Barcode on rack	Storage density		Packaging qty.		Cat. No.
										Rack	Cryobox	Pack	Case	
External	1.8	1.5	V	Yes	2D		Yes	Latch		48	9 x 9, 10 x 10	48	480	374500
External	1.8	1.5	V	Yes	2D		Yes	Latch	2D/1D/HR	48	9 x 9, 10 x 10	48	480	374500-BR
External	1.8	1.5	V	Yes			Yes	Latch		48	9 x 9, 10 x 10	48	480	374501
External	1.8	1.5	V	Yes			Yes	Latch	2D/1D/HR	48	9 x 9, 10 x 10	48	480	374501-BR
External	1.8	1.5	V	Yes	2D		Yes			48	9 x 9, 10 x 10	48, bulk	480	374502
External	1.8	1.5	V	Yes			Yes			48	9 x 9, 10 x 10	48, bulk	480	374503
External	1.8	1.5	Sharp V	Yes	2D/1D/HR			Latch		48	9 x 9, 10 x 10		480	374VR1-WP1D
External	1.8	1.5	Sharp V	Yes	2D/1D/HR						9 x 9, 10 x 10	48, bulk	480	374VB1-WP1D
Internal	2.0	1.8	V	Yes	2D			Latch		48	9 x 9, 10 x 10	48	480	374510
Internal	2.0	1.8	V	Yes	2D			Latch	2D/1D/HR	48	9 x 9, 10 x 10	48	480	374510-BR
Internal	2.0	1.8	V	Yes	2D/1D/HR			Latch		48	9 x 9, 10 x 10		480	374510-WP1D-BR
Internal	2.0	1.8	V	Yes				Latch		48	9 x 9, 10 x 10	48	480	374511
Internal	2.0	1.8	V	Yes				Latch	2D/1D/HR	48	9 x 9, 10 x 10	48	480	374511-BR
Internal	2.0	1.8	V	Yes	2D		Yes				9 x 9, 10 x 10	48, bulk	480	374516
Internal	2.0	1.8	V	Yes	2D/1D/HR				24		9 x 9, 10 x 10	48, bulk	480	374516-WP1D
External	5.0	4.5	V	Yes	2D		Yes	Latch		24			240	374320
External	5.0	4.5	V	Yes	2D		Yes	Latch	2D/1D/HR	24			240	374320-BR
External	5.0	4.5	V	Yes	2D/1D/HR		Yes	Latch					240	374320-WP1D
External	5.0	4.5	V	Yes	2D		Yes	Latch				24, bulk	240	374322
External	5.0	4.5	V	Yes	2D/1D/HR		Yes	Latch				24, bulk	240	374322-WP1D

Nunc Universal cap trays

Thread	Sterile	Color	Compatible tubes (mL)	Packaging qty.		Cat. No.
				Rack or pack	Case	
Internal	Yes		2.0	48, tray	240	381392

Learn more at thermofisher.com/colorcappedtubes

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