



From culture  
to discovery

Every passage, every step—you're  
covered with cell culture plasticware



# Culture with confidence

Choose the culture vessels, surfaces, and tools you need for preparing, growing, analyzing, and storing healthy cells, with reproducible results from start to finish.

Thermo Scientific™ Nunc™ and Nalgene™ cell culture research products have been used by researchers for more than 60 years in labs all over the world. Our long-standing commitment to exacting product quality standards and testing helps to ensure that you can advance your research quickly, efficiently, and with confidence.

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# Choosing the best solution for your cells and research applications

To help ensure flexible, reproducible, and reliable results across your cell culture process, we offer an extensive range of products in a variety of formats, sizes, and surfaces.

The following table will help guide your selection, with specific cell types and desired cell culture surface areas in mind.

Select your Thermo Scientific™ surface		Thermo Scientific surface treatments						
Cell types		Nunclon Delta	Nunclon Vita	Collagen I	Poly-D-lysine	Nunclon Sphera	Nunc UpCell	Untreated surface
Hepatocytes		•	•	•		•	•	
Endothelial cells		•		•		•	•	
Neuronal cells	Neurons	•			•		•	
	Neurospheres					•		
Epithelial cells		•	•	•		•	•	
Tumor cells		•	•	•	•	•	•	
Blood cells	Macrophages, dendritic cells, neutrophils	•				•	•	
	Lymphocytes	•						•
	Platelets	•		•			•	
Stem cells	MSC	•	•	•		•	•	
	HSC	•			•	•		
	ESC and EB	• <sup>†</sup>	• <sup>§</sup>			•		

† Requires extracellular matrix (ECM) coating. § Requires conditioned media from feeder cells and ROCK inhibitor.



## Nunclon Delta surface treatment

Unique to our Nunc cell culture plastic is our Thermo Scientific™ Nunclon™ Delta surface, designed to promote maximum adhesion for a broad range of cell types.

The Nunclon Delta surface is a fully synthetic, energy-treated surface that makes the otherwise very hydrophobic polystyrene surface more hydrophilic, thus facilitating cell attachment and growth. The Nunclon Delta certificate helps to ensure high quality standards and lot-to-lot consistency.

The Nunclon Delta surface treatment is available on vessels ranging from 0.013 to 32,864 cm<sup>2</sup> of cell culture surface area, allowing for easy scale-up when expanding cultures.

Explore Nunclon Delta surfaces at [thermofisher.com/cellcultureplates](https://thermofisher.com/cellcultureplates)

# Diverse selection, repeatable results

The Thermo Scientific™ Nunc™ flask portfolio has been developed with an emphasis on consistent quality. Reproducibility and reliability are key to good scientific results, which is why we test every lot of our Nunc cultureware products with four different cell lines—helping to ensure unfailing monolayer formation and consistent cloning efficiency.

## Reproducibility and reliability worldwide

- A range of formats and surfaces for diverse application requirements
- Scale up your upstream cultures in flasks with surface areas ranging from 25 to 500 cm<sup>2</sup>, with surface continuity and space efficiency
- Barcoding is optional for most flasks

## Thermo Scientific™ EasYFlask™ flasks



Angled neck enables easy access to entire growth surface. High-performance flask design is available with multiple surface treatment options.

Regular culture flask



- Straight neck
- Cell culture–treated

EasYFlask flask



Ergonomic design for ease of use

TripleFlask flask



- Triple the surface
- Ideal for scale-up

300 cm<sup>2</sup> flask



- Cell culture–treated
- Largest single-layer flask



Achieve consistent performance when growing your cells with Gibco™ cell culture media and Nunc flasks

Flask style	Surface																				Cap type		Barcoding			
	Untreated					Nuncion Delta					Poly-D-lysine				Collagen I				Sphera		Energy-treated	Vent/ close		Filter		
	25	75	175	225	500	25	75	175	225	500	25	75	175	225	25	75	175	225	25	75	175	225				
Regular	◦	◦	◦			•	•	•			•	•	•		•	•	•		•	•				•	•	◦
EasYFlask	•	•	•	•		•	•	•	•		•	•	•		•	•	•		•	•				•	•	◦
TripleFlask				◦						•														•	•	•†
300 cm <sup>2</sup>																							•	•	•	◦

• Standard product  
 ◦ Option, manufactured to order, a minimum order quantity may apply  
 † Standard with filter caps

Explore Nunc cell culture flasks at [thermofisher.com/cellcultureflasks](https://thermofisher.com/cellcultureflasks)

# Promoting healthy and reproducible cell growth

Choose from a wide range of styles, sizes, and surfaces to suit a variety of cell culture applications. We offer Thermo Scientific™ Nunc™ cell culture dishes and plates in more than 100 combinations of format and surface, designed to help promote healthy cells and reproducible results. Lot-to-lot cell line testing helps to ensure consistency.



Explore Nunc cell culture dishes and plates at [thermofisher.com/cellcultureplastics](https://www.thermofisher.com/cellcultureplastics)

## Round-well dishes and plates

Product	Wells	Culture area/well cm <sup>2</sup>	Surfaces					
			Untreated	Nunclon Delta	Sphera	UpCell	Poly-D-lysine	Collagen I
35, 60, 90, 100 and 150 mm dishes*	1	8.8–150.0	◦	•	•	•	◦	◦
4-well plate*	4	1.9	•	•			◦	◦
6-well plate	6	9.6	•	•	•	•	•	•
12-well plate	12	3.5	•	•	•	•	◦	◦
24-well plate	24	1.9	•	•	•	•	◦	◦
48-well plate	48	1.1	•	•	◦	•	◦	◦

• Standard product ◦ Option, manufactured to order, a minimum order quantity may apply

\* Also available certified for use in ART/IVF

## Rectangular-well dishes and plates

Product	Wells	Culture area/well cm <sup>2</sup>	Surfaces		
			Untreated	Nunclon Delta	Collagen I
Nunc OmniTray dish	1	84.0	◦	•	◦
Square BioAssay dish	1	500		•	
4-well plate	4	21.8	◦	•	◦
8-well plate	8	10.5	◦	•	◦

• Standard product

◦ Option, manufactured to order, a minimum order quantity may apply

For detailed descriptions of all products and product catalog numbers, go to [thermofisher.com](https://www.thermofisher.com)

Achieve your next breakthrough with Thermo Scientific™ Heracell™ VIOS CO<sub>2</sub> incubators. Our newest incubator series provides everything necessary for your most demanding and highly critical applications. By combining our latest technological advancements in contamination control and uniform growth conditions with existing reliable features, you are now able to achieve your goals faster, more reliably, and with less effort.

Learn more at [thermofisher.com/heracell](https://www.thermofisher.com/heracell)



# Selecting the best plate for your cell-based research

Whether you're culturing individual cell lines or scaling up for high-throughput screening, or anything in between, there is a Thermo Scientific™ Nunc™ plate for your needs. Advances in manufacturing for surface technology, well geometry, and optical flatness mean we have a plate tailored for your specific application.

Nunc solid plates are fully molded plates in either clear polystyrene for a variety of applications, or in black or white for use in fluorescence or luminescence studies. While our clear plates have excellent imaging properties for magnification up to 40x, our optical bottom plates with thin polystyrene film or coverglass bottoms are engineered for superior imaging properties to provide low autofluorescence, absence of a halo effect, improved optical clarity, and high signal-to-noise ratios.



Select the ideal plate for your research at [thermofisher.com/cellcultureplates](https://www.thermofisher.com/cellcultureplates)

Products	Type	Color	Bottom type*	Surface							Barcoding		
				Untreated	Nunclon Delta	Sphera	UpCell	CC2	Poly-D-lysine	Collagen I			
96-well plate	Solid	Clear	F	•	•	•	•	•	•	•	•	•	
			U	•	•	•		•				•	
			V	•								•	
	OBP†	Black	F	•	•					•	•	•	•
			White	•	•				•	•	•	•	•
			Black	•	•				•	•	•	•	•
384-well plate	Solid	Clear	F	•	•			•	•	•	•	•	
			F, S	•	•				•	•	•	•	
		White	F	•	•				•	•	•	•	
			F, S	•	•				•	•	•	•	
	Black	F	•	•				•	•	•	•		
		F, S	•	•				•	•	•	•		
OBP†	Black	White	F	•	•			•	•	•	•	•	
		Black	F	•	•			•	•	•	•	•	
1,536-well plate	Solid	Black	Clear	•								•	
			White	•								•	
			Black	•								•	

• Standard product

◦ Option, manufactured to order, a minimum order quantity may apply

\* Bottom type: F = flat, U = round, V = conical, S = shallow-well (small-volume). † OBP = optical-bottom plate

## Take your cell-based assays to the edge

Reclaim full use of your 96-well plate. The Thermo Scientific™ Nunc™ Edge Plate provides an ideal, efficient, and economical solution for minimizing evaporation and, in turn, the risks associated with the edge effect. Uniquely designed with a moat that serves as an evaporation barrier, this plate enables researchers to expand their microplate cultures to include the perimeter wells, resulting in consistent, viable cell growth across all 96 wells during extended incubation.

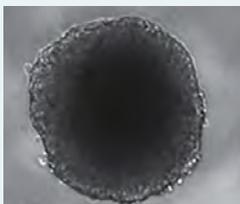


Learn more at [thermofisher.com/edgeplate](https://www.thermofisher.com/edgeplate)

# Innovative surfaces for extraordinary cultures

## Thermo Scientific™ Nunclon™ Sphera surface

An extra-low-binding surface for growing consistent, reproducible cancer and stem cell spheroids.



### Available formats:

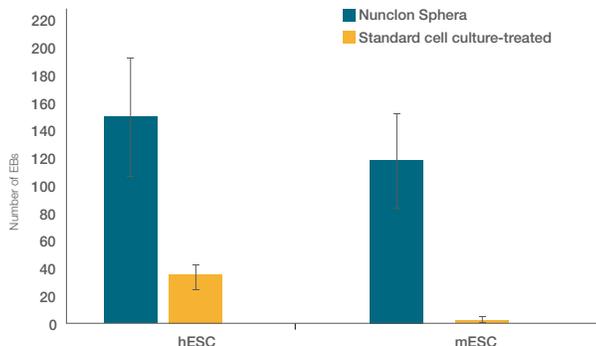
**Dishes:** 35, 60, and 90 mm

**Plates:** 6-, 12-, 24-, and 96-well

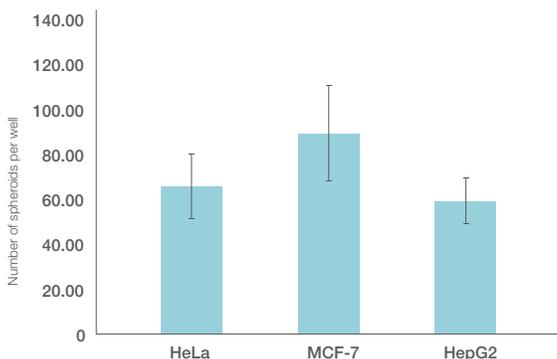
**Flasks:** 25 and 75 cm<sup>2</sup>

## Advancing cancer and stem cell research

The Nunclon Sphera surface outperforms other surfaces for consistent EB formation of different pluripotent stem cells.



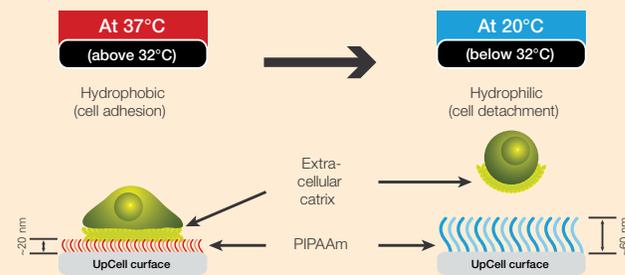
The Nunclon Sphera surface consistently generates cancer spheroids for a number of cancer cell lines.



Explore Nunclon Sphera products at [thermofisher.com/sphera](http://thermofisher.com/sphera)

## Thermo Scientific™ UpCell™ surface

Nonenzymatic harvesting of cells for preservation of cell viability and surface proteins. Simply transfer cultures to room temperature to collect cells in suspension or in “cell sheet” form.



### Available formats:

**Dishes:** 35,\* 60, and 90 mm

**Dishes with grid:** 60 and 90 mm

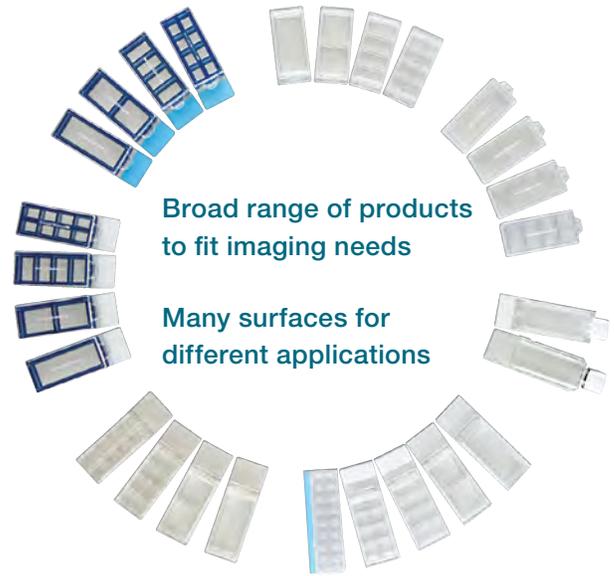
**Plates:** 6-,\* 12-, 24-, 48-, and 96-well

\* Supportive membranes included in 35 mm dish and 6-well plates only.

Learn more about the UpCell surface at [thermofisher.com/upcell](http://thermofisher.com/upcell)

# Ultimate flexibility for cell imaging analysis

Eliminate labor-intensive cytostaining of cells with Thermo Scientific™ Nunc™ Lab-Tek™ chamber slides, chambered coverglasses, and flasks on slides. Seed, incubate, fix, and stain on a single microscope slide using the chamber slide system with removable chamber. The coverglass option provides optimal optical characteristics required for high-magnification microscopy and confocal image analysis.



Broad range of products to fit imaging needs

Many surfaces for different applications

Explore chamber slides for imaging at [thermofisher.com/chamberslides](https://thermofisher.com/chamberslides)

## Slide flasks

Product	Wells	Culture area per well cm <sup>2</sup>	Suggested working vol. mL	Surface	
				Glass	Polystyrene
Slide flask*	1	9.0	2.5–5.0		•
Flaskette**	1	10.0	2.5–5.0	•	

\* Nuncion Delta certified

\*\* CE marked

## Chamber slides

Product	Wells	Suggested working vol. mL	Culture area per well cm <sup>2</sup>	Medium chamber		Slide material		
				Material	Removable	Glass	Permanox	CC2 glass
Lab-Tek	1	2.5–4.5	9.4	Polystyrene	Yes	•	•	
	2	1.2–2.0	4.2			•	•	
	4	0.5–0.9	1.8			•	•	
	8	0.2–0.4	0.8			•	•	
	16	0.1–0.2	0.4			•		
Lab-Tek II	1	2.0–4.5	8.6	Polystyrene	Yes	•		•
	2	1.0–2.0	4.0			•		•
	4	0.5–0.9	1.7			•		•
	8	0.2–0.4	0.7			•		•

## Chambered coverglasses

Product	Wells	Suggested working vol. mL	Culture area per well cm <sup>2</sup>	Medium chamber		Coverglass material
				Material	Removable	Glass
Lab-Tek 1.0 borosilicate glass	1	2.5–4.5	9.4	Polystyrene	No	•
	2	1.2–2.0	4.2			•
	4	0.5–0.9	1.8			•
	8	0.2–0.4	0.8			•
Lab-Tek II 1.5 borosilicate glass	1	2.0–4.5	8.6	Polystyrene	No	•
	2	1.0–2.0	4.0			•
	4	0.5–0.9	1.7			•
	8	0.2–0.4	0.7			•

# Designed for superior cell growth

A wide range of cell culture inserts feature our Thermo Scientific™ Nunclon™ Delta surface treatment of the membrane—as well as uniquely adjustable, flexible carrier plates. Thermo Scientific™ Nunc™ cell culture carrier plates meet ANSI standards and are equipped with alphanumeric well identification; all items meet USP class VI standards.

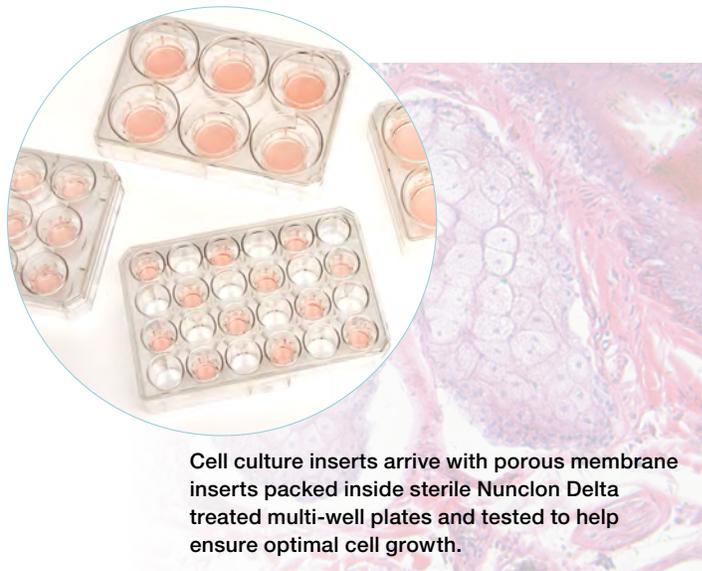
## Polycarbonate cell culture inserts

Thermo Scientific™ Nunc™ polycarbonate cell culture inserts in Nunclon Delta treated multi-dishes are easy to use for cultivation of most cell types, without extracellular matrix coating, and optimized for establishing 3D tissues *in vitro*.

An assortment of plates and insert sizes, along with multiple insert membrane pore sizes, support a wide range of applications.

## Carrier plates for cell culture inserts

Nunc carrier plates are designed for versatility in your research. The system is designed to enable three different hanging height adjustments for the inserts to accommodate required liquid–air interface culture and variable cell-feeding protocols. Use with up to 12 or 24 inserts at a time.



Cell culture inserts arrive with porous membrane inserts packed inside sterile Nunclon Delta treated multi-well plates and tested to help ensure optimal cell growth.

### Research application examples

#### Transport studies

- Molecules including hormones and growth factors
- Drug transport across epithelial (Caco-2) and endothelial barriers
- Drug transport across brain microvascular endothelial cells

#### Co-cultivation studies

- Cell–cell interaction
- Cell–matrix interaction
- Cell–substrate interaction

#### Tissue engineering

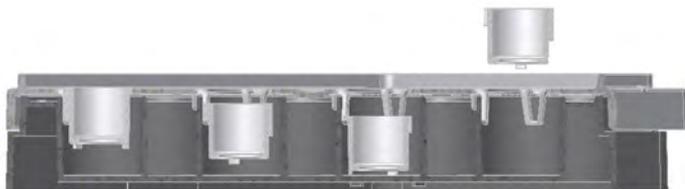
- Angiogenesis
- Dermal/epidermal and epithelial tissue models

#### Chemotaxis studies

- Migration of cells including eosinophils and macrophages

#### Invasion studies

- Tumor invasion and metastasis models
- Invasion inhibitors
- Extracellular matrix effects



Membrane type	Multi-dish format	Suggested working volume	Culture area/well	Cell culture treated	Membrane pore size (µm)			Carrier plate
					0.4	3.0	8.0	
Polycarbonate	MD 6	4.0	3.14	Yes	•	•	•	
	MD 6	4.0	4.1		•	•	•	
	MD 12	2.0	1.13		•	•	•	•
	MD 24	1.0	0.47		•	•	•	•

Explore inserts at [thermofisher.com/cellcultureinserts](https://www.thermofisher.com/cellcultureinserts)

# The clear choice for high-quality imaging

With a variety of formats and surfaces for cell imaging, we offer a comprehensive solution for all of your applications:

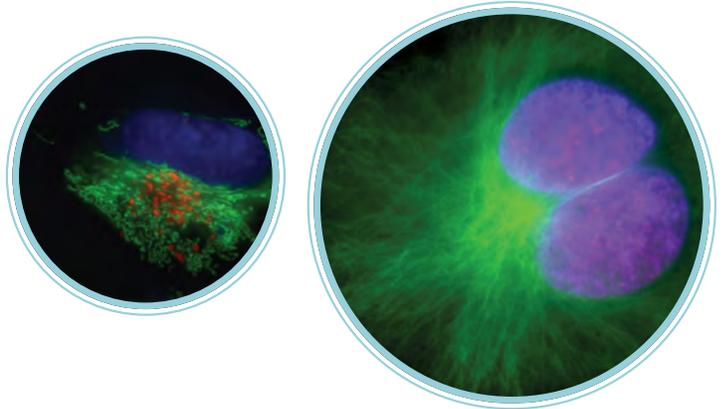
- Fluorescence microscopy
- Phase contrast microscopy
- Confocal microscopy
- Live cell imaging
- High-content screening and imaging
- Cell-based fluorescence or luminescence assays

## Glass-bottom dishes

Thermo Scientific™ Nunc™ glass-bottom dishes provide the benefits of an imaging device in the format of a standard 35 mm cell culture dish. This means you keep the same seeding density, media volume, and culture conditions.

The Nunc glass-bottom dish combines a polystyrene fixture and a glass-coverslip bottom, providing the optimum optical characteristics required for high-magnification microscopy and confocal image analysis.

Learn more at [thermofisher.com/glassdishes](http://thermofisher.com/glassdishes)



Images captured with the Invitrogen™ EVOS™ FL Auto Imaging System. A549 cells were labeled with Invitrogen™ CellLight™ fluorescent protein-based reagents overnight in a Nunc glass-bottom dish with 12 mm viewing area.



Invitrogen™ EVOS™ cell imaging systems are designed to eliminate the complexities of microscopy without compromising performance. These units combine all aspects of a digital inverted microscope workstation into a single, compact device that powers on with a single switch and can be mastered in minutes. Whether you're capturing images for publication, teaching, or research, these systems are designed to be easier, smarter, and faster.

Learn more at [thermofisher.com/evos](http://thermofisher.com/evos)

# Ultimate flexibility for cell imaging analysis

Thermo Scientific™ Nunc™ 96- and 384-well optical-bottom plates are ideal for microscopic applications. Black microplates are recommended for fluorescence measurements, with minimum back-scattered light and background fluorescence. White plates are best for luminescence measurements, with maximum reflection and minimal autoluminescence.

## Nunc optical-bottom plates are available with several surface treatment options:

- With the wide selection of surfaces, from poly-D-lysine and collagen I coatings to Nunclon Delta cell culture–treated and untreated, the polystyrene film-based plates allow for optimized cell attachment and growth for downstream experiments and imaging studies
- Proprietary cell culture–treated coverglass-based plates are designed to deliver optimum clarity, as well as minimum light scatter and autofluorescence background, for high-quality imaging

View optical imaging plates at [thermofisher.com/opticalbottom](http://thermofisher.com/opticalbottom)

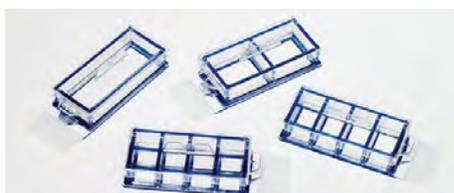
## Chamber slides

Thermo Scientific™ Nunc™ Lab-Tek™ chamber slides feature removable chambers that allow you to seed, incubate, fix, and stain on a single microscope slide.



### Lab-Tek I

The silicone gasket between the chamber and the slide acts as a physical barrier after the chamber is removed.



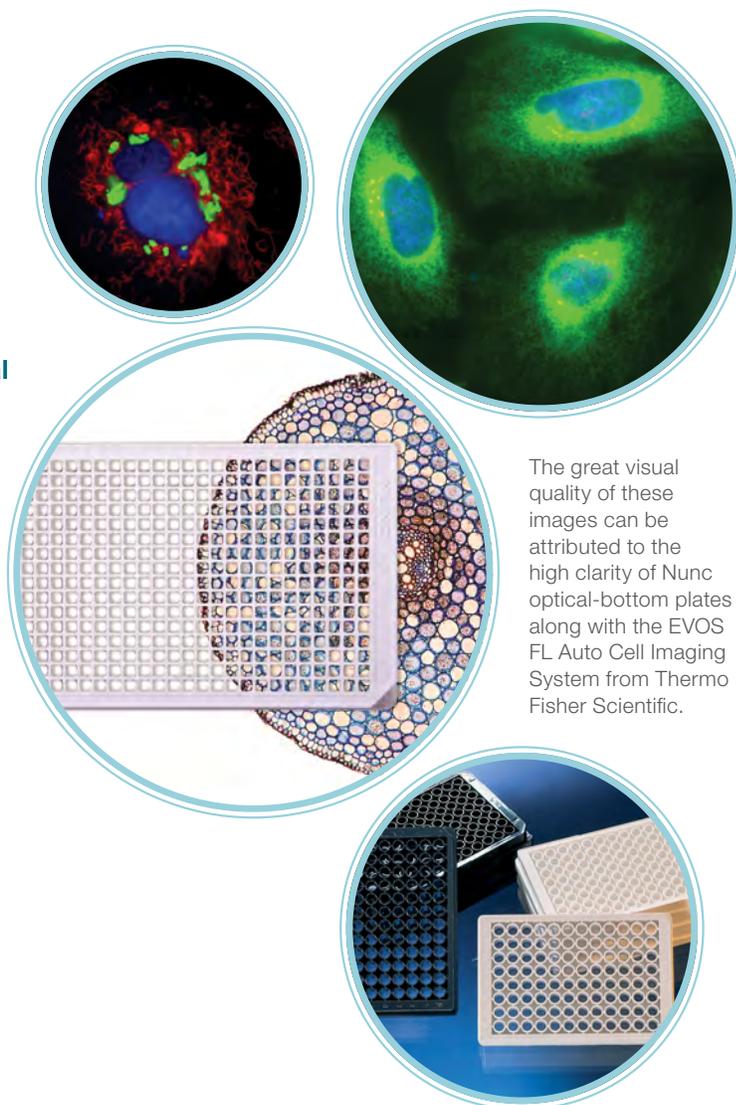
### Lab-Tek II

Biocompatible adhesive acts as a hydrophobic border between individual wells upon removal of the chamber to allow for separate staining of cells in each well.



### SlideFlask

Culture cells directly on the slide, and remove flask if desired.



The great visual quality of these images can be attributed to the high clarity of Nunc optical-bottom plates along with the EVOS FL Auto Cell Imaging System from Thermo Fisher Scientific.

Select your chamber slide [thermofisher.com/chamberslides](http://thermofisher.com/chamberslides)

# Protecting your precious samples during long-term storage

For 40 years, researchers have trusted Thermo Scientific™ Nalgene™, Nunc™, and Matrix™ cryogenic tubes for safe sample storage, even in the harshest cryopreservation conditions. And why do scientists trust Thermo Scientific tubes? Because we use the highest-quality virgin-grade polypropylene resins to manufacture our expertly designed storage tubes in-house.

Experimenting with CHO cells, HeLa cells, and stem cells? We can sort, organize, and color-code your various cell lines. Or if you've scaled up your sample storage to track hundreds of cell stocks using an automated workflow and cryostorage systems, we have barcoded and automation-friendly storage tubes for you, too.



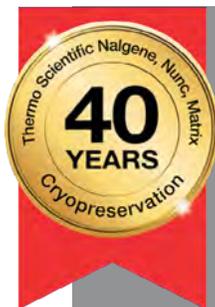
## Nalgene, Nunc, and Matrix cryo storage tubes and accessories

Our flagship Nalgene and Nunc cryo tubes are the ideal choice for storing cell cultures in the vapor phase of liquid nitrogen, featuring:

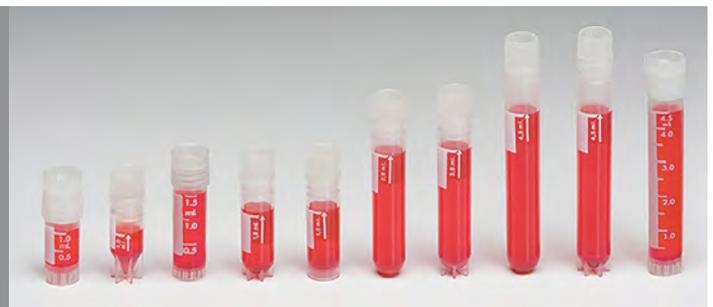
- A range of volumes from 0.5 to 5.0 mL for flexibility in aliquot sizes
- Sterility assurance levels of 10<sup>-6</sup> (Nalgene and Nunc tubes) and 10<sup>-3</sup> (Matrix), reducing the chances of the tube contaminating its contents
- Options for externally or internally threaded tubes
- Printed graduations and white patch for easy identification
- A full range of complementary cryoboxes and other accessories available

Description	Threading	Bottom shape	Tube volumes available (mL)	Sizes available with linear barcodes (mL)
Nalgene Cryo Tubes	External	Conical	1.2,* 2.0,* 5.0, 15.0	1.2, 2.0, 5.0
Nalgene System 100 tubes	External	Conical	1.0, 1.5	1.5
Nunc Cryo Tubes	Internal	Round	1.8, 3.6, 4.5	1.8
Nunc Cryo Tubes	Internal	Conical	1.0	–
Nunc Cryo Tubes	External	Conical	1.0	–

\* Available bulk packed



Thermo Scientific Nalgene, Nunc, and Matrix: 40 years in cryopreservation



Choose your cryo products at  
[thermofisher.com/cryoware](https://www.thermofisher.com/cryoware)

The Nalgene and Nunc cryo tube family—skirted bottom, star foot, and round bottom, internal and external thread options, and available with graduations or white patches.

# Taking storage to the next level

## Scaling up from manual storage

The Thermo Scientific™ Nunc™ Universal System and Thermo Scientific™ Matrix™ 2D Barcoded Tubes are ideal for laboratories processing more than 100 tubes per day or starting to integrate automation into their cell culture workflows.

Barcoded tubes in barcoded ANSI latch racks offer many benefits for cell banking, such as:

- Tracking different cell lines and cell stocks versus daughter passages with unique barcodes on each tube—to help ensure that no two tubes ever get mixed up
- Eliminating worry of labels falling off or illegible labeling with laser-etched barcodes that are permanent and resistant to common lab chemicals and conditions
- Having the ability to incorporate automation—such as liquid handlers, microplate readers, and decappers—into the workflow, improving process efficiency

Nunc 1.8 mL external-thread tubes in barcoded latch rack



Learn more about our storage solutions at [thermofisher.com/samplestorage](https://thermofisher.com/samplestorage)

## Nunc and Matrix storage tubes with 2D barcodes

Description	Tube volumes (mL)	Optional rack barcode	Packaging
Nunc Universal External Thread Tubes	1.8, 5.0	Yes	Latch rack or bulk
Nunc Universal Internal Thread Tubes	2.0	Yes	Latch rack or bulk
Nunc Cryobank Internal Thread Tubes	0.5, 1.0	Yes	Locking rack or bulk
Nunc Cryobank Internal Thread Tubes	2.0, 5.0	Yes	Latch rack or bulk
Matrix Screw Top Tubes	0.2, 0.5, 1.0	Yes	Latch rack or bulk
Matrix Open Top Tubes	0.5, 0.75, 1.4	Yes	Latch rack or bulk

## Storage plates

Thermo Scientific™ Nunc™, Matrix™, and Abgene™ polypropylene storage plates are an economical and efficient storage solution for genomic or proteomic material extracted from cells.

- 48-, 96-, or 384-well format and deep-well blocks in ANSI footprint
- Square or round column design for varying volume options

- U-bottom, conical V-bottom, spindle V-bottom, and pyramidal-bottom for maximum sample recovery
- Raised well rims for easy sealing

Thermo Scientific™ ALPS™ heat sealers and sealing tapes offer peace of mind in protecting your samples from evaporation and contamination in short- or long-term storage applications.



ALPS 30 Manual Heat Sealer with deep-well block and seal.

# Cell culture accessories

## Thermo Scientific™ Nunc™ Conical Centrifuge Tubes

### Increased traceability

- Large writing area

### Environmentally friendly

- Recyclable plastic rack helps reduce waste in the lab

### Highly certified

- High RCF rating enables greater range of applications
- Leakproof to protect your samples
- RNase/DNase-free to help ensure the highest performance
- Tubes are sterile with a 10<sup>-6</sup> SAL
- Choices of standard caps and EZFlip™ caps for 15 mL and 50 mL tubes



250 mL wide-mouth conical tube



15 and 50 mL conical tubes



Enables one-handed opening and closing



Thermo Scientific™ Nunc™ EZFlip™ 15 and 50 mL Conical Tubes

## Thermo Scientific™ Nunc™ Serological Pipettes

- Sizes: 1, 2, 5, 10, 25, and 50 mL
- Nondripping tips and clearly marked graduations for precision
- Sleek 5 mL and 10 mL shortie pipettes for easy maneuvering under the hood
- Individually wrapped pipettes in either paper/plastic peel or plastic film; bulk packed options for higher volume use with less packaging waste
- Ultra-clear, 100% virgin polystyrene



Choose your conical tubes at [thermofisher.com/conicaltubes](https://www.thermofisher.com/conicaltubes)

Select your serological pipettes at [thermofisher.com/serologicalpipettes](https://www.thermofisher.com/serologicalpipettes)

# Safeguarding your cells from contamination

Thermo Scientific™ Nalgene™ Rapid-Flow™ filter units and bottle tops include a choice of membrane pore sizes that offer comprehensive and reliable contamination protection: 0.1 µm filters guard against mycoplasma contamination, 0.2 µm filters remove all bacteria, and 0.45 µm filters remove particles and clarify fluids.

## A range of critical membranes

No matter which aqueous fluid you're filtering, we have the right membrane for you:

- aPES (polyethersulfone)
- SFCA (surfactant-free cellulose acetate)
- CN (cellulose nitrate)
- Nylon

## High performance and throughput

- The unique Rapid-Flow multi-column support system is designed to deliver membrane uniformity and consistency, enabling increased flow rates and higher throughput
  - aPES membranes are stem cell-tested
  - 90 mm diameter filters provide enlarged surface area for serum and other hard-to-filter solutions

## Easy-to-use shape

- Ergonomic design
- 1½-turn screw cap, and tapered sides and “grips” make the filter units and storage bottles easy to handle
- Wide base improves stability on the benchtop

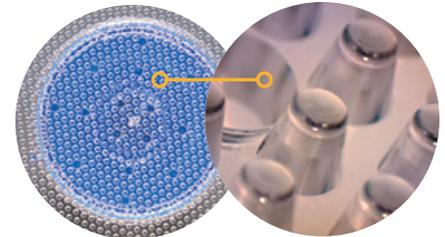
Find valuable resources and learn more about our filtration products online at

[thermofisher.com/filtration](https://www.thermofisher.com/filtration)



## Consistently consistent

All Nalgene filters now have the Rapid-Flow multi-column membrane-support system. This proprietary system enables uniform, consistent separation between touch points with the membrane, minimizing gap stress to maintain optimal flow.



# Small filters, big results

Thermo Scientific™ Nalgene™ sterile syringe filters are ideal for sterilizing or clarifying cell culture media, reagents and additives, protein aqueous solutions, and buffers, while offering sizable advantages for your lab, including:

### Less waste

Nalgene 25 mm diameter syringe filters perform as well as 30 mm or 33 mm diameter products in most applications, but produce less plastic waste.\*

### Improved sterility assurance

Nalgene sterile syringe filters have a three-year shelf life, with lot number and expiration date printed on individual syringe filter packages for easy traceability.

\* Based on the dry volume of 100 syringe filters measured in a 1,000 mL beaker



Capacity	Pore size		Membrane diameter	
mL	0.2 µm	0.45 µm	13 mm	25 mm
2–10	•		•	
10–100	•	•		•

### Identify at a glance

Nalgene syringe filters are color-coded, with membrane and pore size printed on each one to help ensure you have the right filter for your fluid.

Learn more at

[thermofisher.com/  
syringefilters](https://thermofisher.com/syringefilters)



# A complete solution for your cell culture research

We're here to help with a total cell culture solution that has been tested and trusted to perform successfully, promoting healthy cells and reproducible results throughout your cell culture process.



## Culture

Prepare, grow, and harvest healthy cells—safely, consistently, and reliably



## Modify

Transfect, capture, and manipulate a broad range of cell samples with optimal efficiency



## Detect

Selectively target cell subpopulations, discrete molecules, or biological processes



## Analyze

Count, process, and observe samples for accurate and robust experimental data on multiple platforms

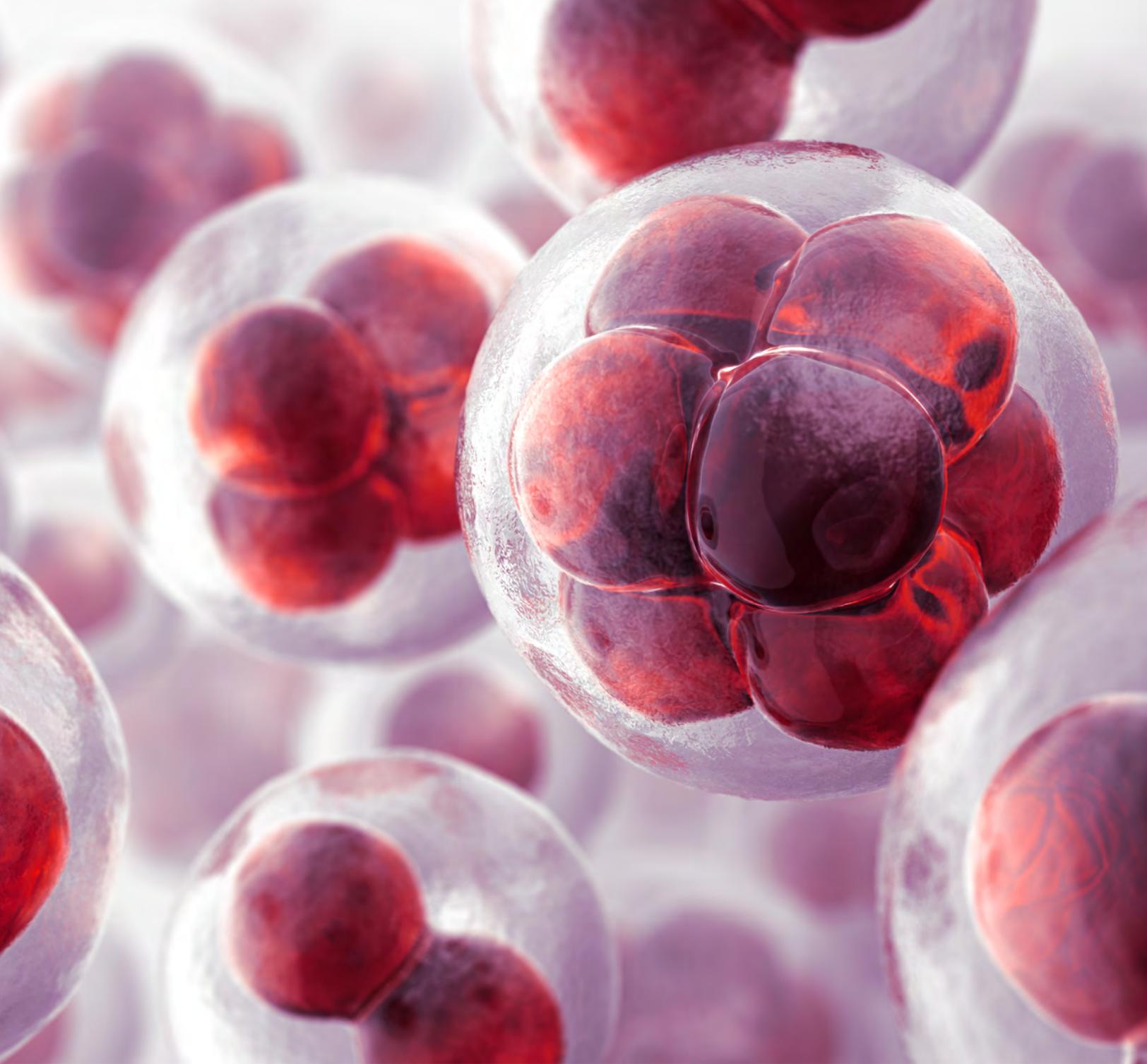


## Store

Safely and reliably prepare, store, and retrieve your cryopreserved samples with maximum protection and post-thaw viability

<b>Cell culture plastics</b>	<ul style="list-style-type: none"> <li>• Nunc cell culture flasks</li> <li>• Nunc cell culture dishes</li> <li>• Nunc multi-well plates</li> <li>• Nalgene filter units</li> </ul>	<ul style="list-style-type: none"> <li>• Nunc cell culture inserts and carrier plate</li> <li>• Nunc multi-well plates</li> <li>• Nunc conical tubes</li> <li>• Nunc serological pipettes</li> </ul>	<ul style="list-style-type: none"> <li>• Nunc optical-bottom microplates</li> <li>• Nunc chamber slides</li> <li>• Nunc glass-bottom dishes</li> </ul>	<ul style="list-style-type: none"> <li>• Nunc cell microplates</li> <li>• Nunc chamber slides</li> <li>• Nunc optical-bottom microplates</li> <li>• Nunc glass-bottom dishes</li> </ul>	<ul style="list-style-type: none"> <li>• Nunc and Nalgene cryogenic tubes</li> <li>• Cryoware accessories</li> </ul>
<b>Gibco™ and Invitrogen™ cell culture media, sera, and reagents</b>	<ul style="list-style-type: none"> <li>• Gibco cell culture media and reagents</li> <li>• Gibco growth factors</li> <li>• Gibco FBS</li> <li>• Lab Armor beads</li> <li>• Gibco balanced salt solutions</li> <li>• Gibco extracellular matrices</li> </ul>	<ul style="list-style-type: none"> <li>• Sino recombinant proteins</li> <li>• Dynabeads cell separation technology</li> <li>• Lipofectamine transfection reagents</li> <li>• Stem cells</li> <li>• Gibco protein expression systems</li> </ul>	<ul style="list-style-type: none"> <li>• Gibco FluoroBrite DMEM</li> <li>• Invitrogen imaging reagents</li> <li>• ReadyProbes reagents</li> <li>• Invitrogen flow cytometry reagents</li> </ul>	<ul style="list-style-type: none"> <li>• Gibco buffers</li> </ul>	<ul style="list-style-type: none"> <li>• Gibco cryopreservation media</li> </ul>
<b>Thermo Scientific™ and Invitrogen™ cell culture equipment and instrumentation</b>	<ul style="list-style-type: none"> <li>• Water baths</li> <li>• Biological safety cabinets</li> <li>• CO<sub>2</sub> incubators</li> <li>• Centrifuges</li> <li>• Freezers</li> <li>• Refrigerators</li> <li>• Water purification</li> <li>• Countess automated cell counter</li> </ul>	<ul style="list-style-type: none"> <li>• Water baths</li> <li>• Biological safety cabinets</li> <li>• CO<sub>2</sub> incubators</li> <li>• Centrifuges</li> <li>• Refrigerators</li> <li>• Water purification</li> </ul>	<ul style="list-style-type: none"> <li>• Water baths</li> <li>• Biological safety cabinets</li> <li>• CO<sub>2</sub> incubators</li> <li>• Refrigerators</li> <li>• Water purification</li> </ul>	<ul style="list-style-type: none"> <li>• Biological safety cabinets</li> <li>• Refrigerators</li> <li>• Attune acoustic focusing cytometer</li> <li>• EVOS cell imaging systems</li> <li>• Microplate readers</li> </ul>	<ul style="list-style-type: none"> <li>• Water baths</li> <li>• Biological safety cabinets</li> <li>• Centrifuges</li> <li>• Refrigerators</li> <li>• Ultralow-temp freezers</li> <li>• VisionMate 2D barcode readers</li> </ul>

Now you can purchase many of your favorite cell culture products at [thermofisher.com/cellculture](https://thermofisher.com/cellculture)



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