

# Corning® Cryogenic Vials

A New and Improved Way to Manage Your Samples



## Improve Your Sample Management with Corning® Bar Coded Cryogenic Vials

As labs handle increasing numbers of samples, the use of streamlined systems can save time and improve the sample management process. One way to simplify sample management and ensure reliable chain of custody is to use Corning bar coded cryogenic vials. Our cryogenic vials have a permanent 2D bar code on the bottom and a standard linear (1D) bar code on the side of the vial with human readable characters in both left- and right-hand orientation.

The two dimensional codes allow the storage of multiple to hundreds of pieces of information in a minimal space. 2D bar codes can be used to encode sample data lot details, and much more.

Other features of Corning bar coded cryogenic vials include:

- ▶ Industry standard Datamatrix 2D encoding
- ▶ Innovative internal and external screw caps that provide a leak-proof seal
- ▶ Star-shaped top cavity is engineered for use with automatic capping/decapping equipment
- ▶ Polypropylene construction to withstand temperatures to -196°C
- ▶ Locking base to prevent tubes from rotating within the rack/workstation during capping and decapping.
- ▶ Nonpyrogenic
- ▶ RNase-/DNase-free
- ▶ Every tube is checked to ensure it meets exacting readability standards.



## Keep Your Samples Safe with Corning Cryogenic Vials

If you prefer to manually label your samples, Corning offers a number of cryogenic vial solutions to protect your valuable cells, biological solutions, and aqueous solutions in ultra-low temperature storage. Choose from external or internal thread caps and six color cap options to suit your needs.

The superior performance of Corning's cryogenic vials is delivered through a combination of several features:

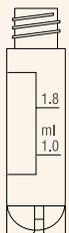
- ▶ Full working temperature range from autoclaving (+121°C) to liquid nitrogen storage (-196°C)
- ▶ Nonpyrogenic
- ▶ RNase-/DNase-free
- ▶ Virgin polypropylene that meets USP Class VI requirements
- ▶ Internal thread styles are available with either silicone washers or rubber O-rings for a secure seal
- ▶ External thread styles are available with silicone washers for a secure seal
- ▶ Self-standing, with a special base design, which allows them to be easily locked into a Corning cryogenic rack or tray
- ▶ Gamma irradiated
- ▶ Black graduations with large white marking spot

### Corning Cryogenic Vials



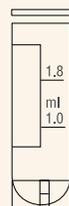
#### External Thread Cryogenic Vial

- ▶ Color-coded polypropylene cap inserts simplify vial identification. Available in variety packs of white, blue, green, red, and yellow.
- ▶ Silicone washer provides a secure seal.
- ▶ Easy-to-read black graduations for partial volumes
- ▶ Self-standing base, self-locking skirt



#### Internal Thread Cryogenic Vial

- ▶ Color-coded polypropylene cap inserts simplify vial identification. Available in variety packs of white, blue, green, red, and yellow.
- ▶ Silicone washers or rubber O-rings provide a secure seal.
- ▶ Easy-to-read black graduations for partial volumes
- ▶ Self-standing base, self-locking skirt



## A New Standard in Cell Cryopreservation



Corning CoolCell

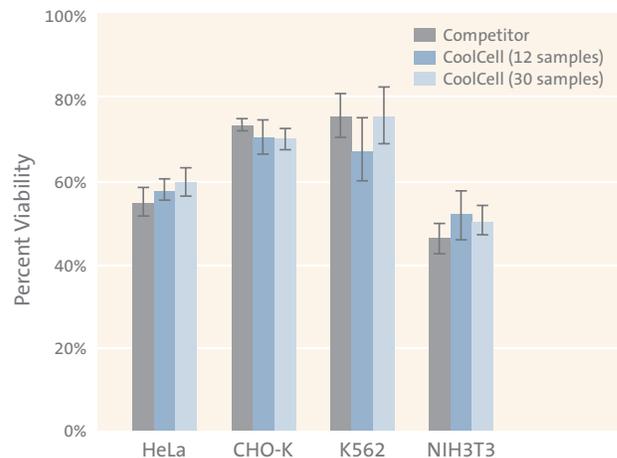
**Corning® CoolCell®** is a reusable, alcohol-free system to uniformly freeze your cells at a lower cost of use. It controls the rate of freezing to  $-1^{\circ}\text{C}/\text{minute}$  when placed in a  $-80^{\circ}\text{C}$  freezer and has been performance tested with a variety of cell types including stem cells, primary cells, PBMC cell lines, insect cells, and yeast.

### Go alcohol-free and eliminate ongoing costs

Many labs use isopropanol (IPA) containers for cryogenic freezing, but they require costly alcohol replacements every 5 uses, can be cumbersome to handle, and may have inconsistent freezing rates.

### High reproducibility and cell viability

With Corning CoolCell, experience high reproducibility and cell viability without the inconvenience of IPA.



Corning CoolCell 12-well, CoolCell FTS30 30-well, or competitor freezing containers were used to freeze all four cell lines. Identical transfection efficiencies and viabilities were observed after thawing.



Corning vial grippers



DMSO

Combine all of Corning's cryogenic solutions, including Corning CoolCell, cryogenic vials, grippers, and DMSO to further protect your valuable cell lines, biological, and aqueous solutions in ultra-low temperature storage. For additional product or technical information, visit [www.vwr.com/corninglifesciences](http://www.vwr.com/corninglifesciences), call 1.800.932.5000, or contact your VWR representative.

# Ordering Information

## Corning Cryogenic Vials and Accessories



### External Thread Cryogenic Vials

VWR Cat. No.	Corning Cat. No.	Capacity (mL)	Style	Self-standing	Qty/Pk	Qty/Cs
<b>New</b> 75784-540	8671	2.0	1D and 2D bar coded, round bottom	Yes	50	500
<b>New</b> 75784-548	8676	2.0	1D bar coded, round bottom	Yes	50	500
66021-972	430658	1.2	Conical bottom	Yes	50	500
66021-974	430659	2.0	Round bottom	Yes	50	500
66021-976	430661	2.0	Round bottom	No	50	500
66021-978	430662	4.0	Round bottom	Yes	50	500
66021-980	430663	5.0	Round bottom	Yes	50	500



### Internal Thread Orange Cap Cryogenic Vials

<b>New</b> 75784-538	8670	2.0	1D and 2D bar coded, round bottom	Yes	50	500
<b>New</b> 75784-542	8672	2.0	1D bar coded, round bottom	Yes	50	500
66021-940	430487	1.2	Conical bottom	Yes	50	500
66021-942	430488	2.0	Round bottom	Yes	50	500
66021-944	430489	2.0	Round bottom	No	50	500
66021-946	430490	4.0	Round bottom	No	50	500
66021-948	430491	4.0	Round bottom	Yes	50	500
66021-970	430656	5.0	Round bottom	Yes	50	500



### Internal Thread Color Cap Cryogenic Vials

VWR Cat. No.	Corning Cat. No.	Cap Color	Capacity (mL)	Style	Self-standing	Qty/Pk	Qty/Cs
30617-556	431416	Assorted	2.0	Round bottom	Yes	50	500
30617-558	431417	Yellow	2.0	Round bottom	Yes	50	500
30617-560	431418	Blue	2.0	Round bottom	Yes	50	500
30617-562	431419	Green	2.0	Round bottom	Yes	50	500
30617-564	431420	Red	2.0	Round bottom	Yes	50	500
30617-566	431421	White	2.0	Round bottom	Yes	50	500

### Cryogenic Vial Racks and Storage Boxes

VWR Cat. No.	Corning Cat. No.	Description	Qty/Pk	Qty/Cs
22250-112	431131	Reusable orange polypropylene vial rack, holds 50 vials, self-locking design	2	2
22250-106	431119	81 count (9 x 9 array) cryogenic box, for 1 to 2 mL vials	5	10
89091-032	431120	81 count (9 x 9 array) cryogenic box, for 4 to 5 mL vials	5	10
89091-028	431121*	100 count (10 x 10 array) cryogenic box, for 1 to 2 mL vials	5	10

\*431121 accepts internally threaded cryogenic vials only.

### Cryogenic Storage Boxes

VWR Cat. No.	Corning Cat. No.	Description	Qty/Pk	Qty/Cs
75784-544	8673	Cryogenic storage box, polycarbonate, holds 81 vials, designed to fit Corning 2D bar coded cryogenic vials	5	10
75784-546	8674	Cryogenic storage box, polycarbonate, holds 100 vials, designed to fit Corning 2D bar coded cryogenic vials	5	10

**Warranty/Disclaimer:** Unless otherwise specified, all products are for research use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.

# CORNING

For additional product or technical information, visit [vwr.com/corning](http://vwr.com/corning), call 1.800.932.5000, or contact your VWR representative.



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