




Cryogenic Vials and Accessories

Corning offers three styles of cryogenic vials as well as storage racks and boxes.

 <p>External Thread Cryogenic Vial</p> <ul style="list-style-type: none"> ▶ 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 	 <p>Internal Thread Cryogenic Vial</p> <ul style="list-style-type: none"> ▶ 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 	 <p>External Thread Plug Seal Cap</p> <ul style="list-style-type: none"> ▶ Sure-grip plug seal screw cap ▶ Inner cap ring assures a tight seal.
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External Thread Cryogenic Vials

External Thread Cryogenic Vials

- ▶ Manufactured from polypropylene to withstand temperatures down to -196°C
- ▶ Larger marking spot
- ▶ Black graduations
- ▶ Certified RNase-/DNase-free
- ▶ Vials have a silicone washer for a secure seal.
- ▶ Vials may be color coded with inserts, see page 22
- ▶ Self-standing vials have a special base design allowing them to be locked into cryogenic rack and tray (Cat. No. 430525 or 431131) for single-handed manipulation
- ▶ Sterilized by gamma radiation
- ▶ Certified nonpyrogenic
- ▶ Free foam rack with each case

External Thread Cryogenic Vials Ordering Information

Cat. No.	Capacity (mL)	Style	Self-Standing	Qty/Pk	Qty/Cs
430658	1.2	Conical Bottom	Yes	50	500
430659	2.0	Round Bottom	Yes	50	500
430661	2.0	Round Bottom	No	50	500
430662	4.0	Round Bottom	Yes	50	500
430663	5.0	Round Bottom	Yes	50	500

Warning! Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Only store vials in the vapor phase above the liquified gas. Always use appropriate safety equipment when removing vials from cryogenic storage.

Cryogenic Vial Safety Tip

Appropriate safety equipment (gloves, face shields, biological safety cabinets, hoods, etc.) should always be used to protect personnel when removing vials or ampules from cryogenic storage systems.



Internal Thread Cryogenic Vials

Internal Thread Cryogenic Vials

- ▶ Manufactured from polypropylene to withstand temperatures down to -196°C
- ▶ Larger marking spot
- ▶ Black graduations
- ▶ Certified RNase-/DNase-free
- ▶ Vials have a silicone washer or rubber O-ring for a secure seal
- ▶ Vials may be color coded with inserts, see page 22
- ▶ Self-standing vials have a special base design allowing them to be locked into cryogenic rack and tray (Cat. No. 430525 or 431131) for single-handed manipulation
- ▶ Sterilized by gamma radiation
- ▶ Certified nonpyrogenic
- ▶ Free foam rack with each case

Internal Thread Cryogenic Vials Ordering Information

Capacity Cat. No.	(mL)	Style	Self- Standing	Seal Type	Qty/Pk	Qty/Cs
430487	1.2	Conical Bottom	Yes	Washer	50	500
430488	2.0	Round Bottom	Yes	Washer	50	500
430489	2.0	Round Bottom	No	Washer	50	500
430490	4.0	Round Bottom	No	Washer	50	500
430491	4.0	Round Bottom	Yes	Washer	50	500
430492	5.0	Round Bottom	No	Washer	50	500
430656	5.0	Round Bottom	Yes	Washer	50	500
431386	2.0	Round Bottom	Yes	Washer	50	250

Warning! Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Only store vials in the vapor phase above the liquified gas. Always use appropriate safety equipment when removing vials from cryogenic storage.

External Thread Cryogenic Vials with Plug Seal Cap

- ▶ Manufactured from polypropylene to withstand temperatures down to -196°C
- ▶ Vials feature an external thread with a traditional plug seal cap design for a secure seal
- ▶ Cap does not accept color-coded inserts
- ▶ Sterilized by gamma radiation
- ▶ Certified nonpyrogenic

External Thread Cryogenic Vials with Plug Seal Cap Ordering Information

Cat. No.	Capacity (mL)	Style	Self-Standing	Qty/Pk	Qty/Cs
430289	2.0	Round Bottom	No	50	500

Warning! Do not use cryogenic vials for storage in the liquid phase of liquid nitrogen. Only store vials in the vapor phase above the liquified gas. Always use appropriate safety equipment when removing vials from cryogenic storage.



External Thread Cryogenic Vials with Plug Seal Cap



Cap Inserts

Cap Inserts for Cryogenic Vials

- ▶ Cap inserts provide color coding for easy sample identification
- ▶ Inserts are packaged in resealable bags
- ▶ Nonsterile
- ▶ Cap inserts fit all Corning® cryogenic vials except Cat. No. 430289

Cryogenic Vials Cap Inserts Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
430499	Assorted colors, polypropylene cap inserts: 100 each of white, blue, red, green, and yellow	50	500
2015	White polypropylene cap inserts	50	500
2016	Blue polypropylene cap inserts	50	500
2017	Red polypropylene cap inserts	50	500
2018	Green polypropylene cap inserts	50	500
2019	Yellow polypropylene cap inserts	50	500



Cryogenic Vial Racks

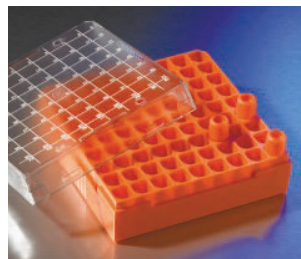
Cryogenic Vial Racks and Storage Boxes

- ▶ Reusable racks are designed for use with most cryogenic vials
- ▶ Cat. No. 430525 has a locking feature for use with all Corning self-standing vials

Cryogenic Vial Racks and Storage Boxes Ordering Information

Cat. No.	Description	Qty/Pk	Qty/Cs
430525	Polycarbonate rack and tray, holds 30 vials; self-locking design in ice/water bath	1	1
430526	Polycarbonate rack only, holds 30 vials; self-locking design	1	1
431131	Reusable orange polypropylene vial rack, holds 50 vials; self-locking design	2	2
431119	81 count (9 x 9 array) Cryogenic Box, for 1-2 mL vials	5	10
431120	81 count (9 x 9 array) Cryogenic Box, for 4-5 mL vials	5	10
431121*	100 count (10 x 10 array) Cryogenic Box, for 1-2 mL vials	5	10

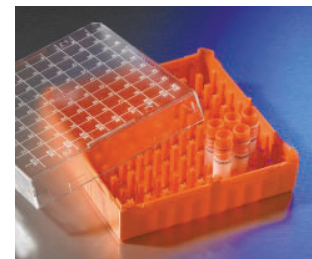
*431121 accepts internally threaded cryogenic vials only.



431119 Cryogenic Storage Box



431120 Cryogenic Storage Box



431121 Cryogenic Storage Box