

# CryoClear™ Cryogenic Vials

## Innovation

For the long-term storage of your precious samples.



Globe Scientific's CryoClear™ vials are designed for the cryogenic storage and transport of biological specimens at temperatures as low as -196°C.

The vials feature an innovative screw cap that is co-molded with a layer of thermoplastic elastomer (TPE). This special process provides the leak-proof benefits of an o-ring, while eliminating the risk of contamination and sample loss associated with the use of separate o-rings. The caps feature a star shaped top cavity that is engineered to work with automated capping / decapping equipment. Each vial is printed with a unique barcode that may be used for automated data collection, accurate sample inventory or to conceal the sample's identity.

*CryoClear™ vials are packaged in heavy-duty, tamper-proof, resealable bags of 50. They are available for purchase by the bag or case of 500.*



### Purity Guaranteed:

- Manufactured, assembled and packaged in an ISO 7 (Class 10,000) cleanroom and never exposed to outside contaminants. Meets FDA, GMP and ISO Quality Standards.
- Lot certified: samples from every lot are shipped to an independent laboratory where they are certified to be Human DNA free, DNase free, RNase free, Pyrogen free and ATP free.

### Technical Details:

- Temperature range: -196° to 121°C
- Sterilized by beta radiation (SAL 10<sup>-6</sup>)
- Pressure tested at 95 kPa (0.95 bar, 14 psi)

### Material:

Tube: Medical grade polypropylene (PP)  
Cap: Medical grade polyethylene (PE) co-molded with thermoplastic elastomer (TPE)

## Innovative Features

**CryoClear™ vials now include every possible feature a lab could ever want for storing their irreplaceable samples; there is simply no need to consider any other brand!**

Color coded inserts are available to fit both internal and external caps for quick sample identification

Star shaped top cavity is engineered for use with automatic decapping equipment

Innovative screw caps are produced from medical grade polyethylene (PE) co-molded with a thermoplastic elastomer (TPE) to provide an outstanding leak-resistant seal

Chemical resistant caps

Slim profile external caps ensure better fit in standard racks and boxes

Produced from medical grade raw materials that will not discolor after re-sterilizing

Printed graduations for accurate measurements

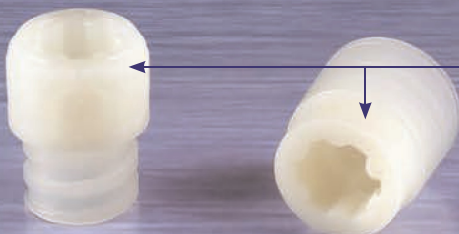
Standard code 128 barcode on each vial includes human readable characters printed in both left and right hand orientation for easy readability by all users.

White writing surface for specimen identification

Chemical resistant polypropylene (PP) vial

Available with round bottoms or self-standing

Self-standing vials interlock in Globe workstations



### Our innovative screw caps eliminate leakage and contamination.

CryoClear™ screw caps are co-molded with a thermoplastic elastomer (TPE) layer and are certified to be leak-proof at a pressure of 95kPa. The proprietary molding process also eliminates the risk of contamination associated with brands that use separate o-rings.



# Cryogenic Vials

## Internal Threaded Vials (shown actual size)



**Internal Thread Cap**  
OD 12.5 mm



Order Number	3001	3002	3003	3004	3005	3006	3008
Volume	1 mL	2 mL	2 mL	4 mL	4 mL	5 mL	5 mL
Height*	42.8 mm	48.4 mm	47.2 mm	75.1 mm	76.4 mm	89.4 mm	90.5 mm
Vial O.D.	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm
Style	Self standing	Self standing	--	--	Self standing	--	Self standing
Bottom	Conical	Round	Round	Round	Round	Round	Round

**Packaging:** 500/case, 10 bags of 50 vials (Also sold by the bag of 50)

\*Height with caps attached.

### **Tamper Evident, Resealable and Lot Traceable Packaging**

All CryoClear™ cryogenic vials are sold in heavy-duty, tamper evident resealable plastic bags.

- 50 vials per bag, 10 bags per case

*Heavy-duty, tamper evident  
resealable plastic bags*

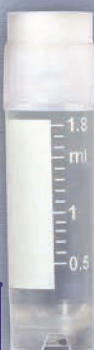
*Each bag labeled with manufacture date  
and barcoded lot number for traceability*



## External Threaded Vials (shown actual size)



**External Thread Cap**  
OD 13.00 mm



Order Number	3010	3011	3012	3013	3014	3015
Volume	1 mL	2 mL	2 mL	3 mL	4 mL	5 mL
Height*	41.5 mm	45.9 mm	47.0 mm	70.7 mm	75.1 mm	89.3 mm
Vial O.D.	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm	12.5 mm
Style	Self standing	--	Self standing	Self standing	Self standing	Self standing
Bottom	Conical	Round	Round	Round	Round	Round

**Packaging:** 500/case, 10 bags of 50 vials (Also sold by the bag of 50)

\*Height with caps attached.



## CAP INSERTS

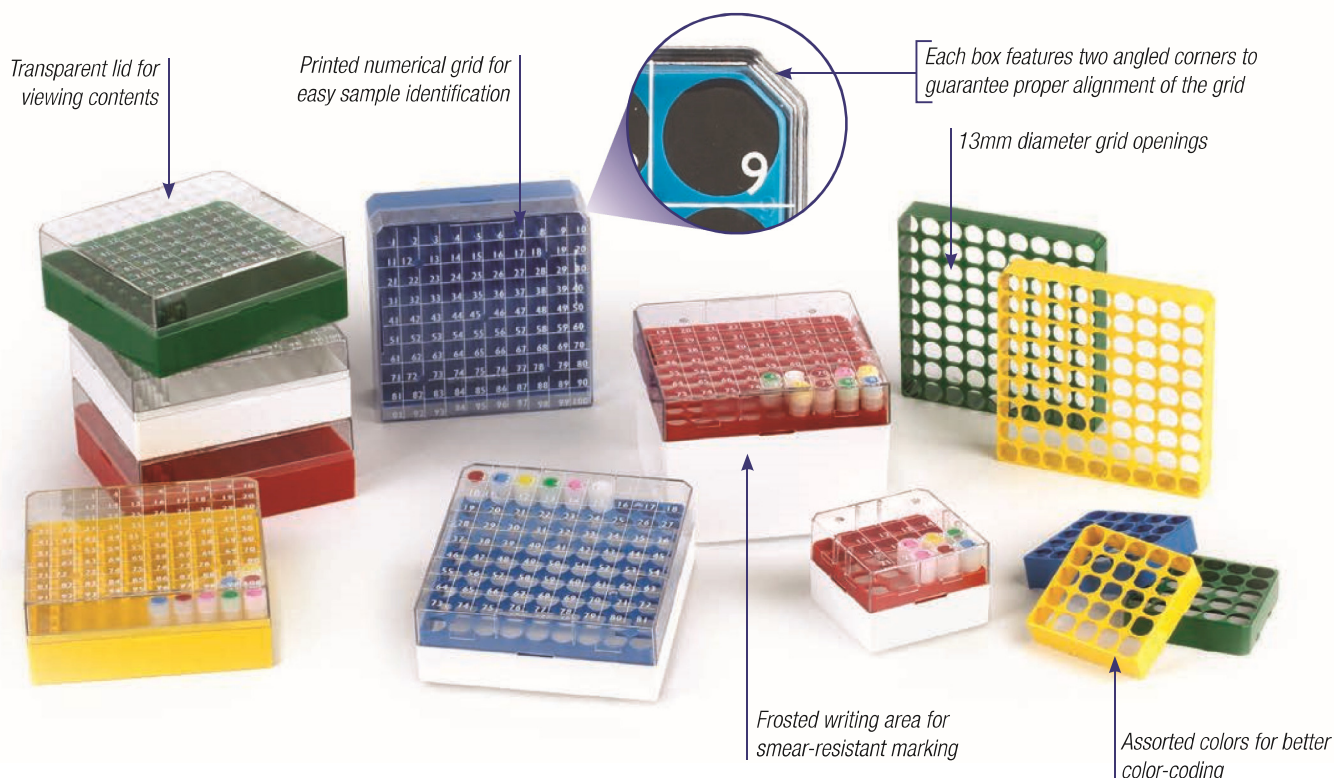
Cap inserts are available in assorted colors and are ideal for color coding and sample identification. The inserts nest easily into place on both internal and external caps.

- Polypropylene (PP)
- Ideal for color coding samples

Item #	Description	Unit
30079A	Gray	1000
30079B	Blue	1000
30079G	Green	1000
30079N	Orange	1000
30079P	Pink	1000
30079R	Red	1000
30079V	Violet	1000
30079W	White	1000
30079Y	Yellow	1000
30079AST6	Assorted	600



# Cryogenic Vials



## BIOBOX™ PLASTIC STORAGE BOXES WITH TRANSPARENT LIDS

Produced from polycarbonate (PC), these storage boxes are designed to withstand temperatures of -196°C to +121°C. The boxes are available in 25-place, 81-place and 100-place sizes and are available in assorted colors.

- Polycarbonate (PC)
- Temperature range: -196°C to +121°C
- Frosted writing area for smear-resistant marking
- Printed numerical grid for easy sample identification
- 13mm diameter grid openings
- Transparent lid for viewing contents
- Each box features two angled corners to guarantee proper alignment of the grid
- Autoclavable at 121°C, 15 psig (1 bar) for 20 minutes
- Boxes have vent holes for drainage and rapid freezing
- Fits in stainless steel freezer racks
- A plastic vial picker (item #30078) is supplied with each BioBox™

### BioBoxes for 1 & 2mL Vials

Item #	Description		Dimensions (L x W x H)	Unit
3039B	25-place (5x5), blue	●	76 x 76 x 52mm (3" x 3" x 2")	8
3039G	25-place (5x5), green	●	76 x 76 x 52mm (3" x 3" x 2")	8
3039R	25-place (5x5), red	●	76 x 76 x 52mm (3" x 3" x 2")	8
3039Y	25-place (5x5), yellow	●	76 x 76 x 52mm (3" x 3" x 2")	8
3040B	81-place (9x9), blue	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3040G	81-place (9x9), green	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3040R	81-place (9x9), red	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3040Y	81-place (9x9), yellow	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3050B	100-place (10x10), blue	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3050G	100-place (10x10), green	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3050R	100-place (10x10), red	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3050W	100-place (10x10), white	○	132 x 132 x 52mm (5.2" x 5.2" x 2")	5
3050Y	100-place (10x10), yellow	●	132 x 132 x 52mm (5.2" x 5.2" x 2")	5

### BioBoxes for 3, 4 & 5mL External & 5mL Internal Vials

Item #	Description		Dimensions (L x W x H)	Unit
3042B	81-place (9x9), blue	●	132 x 132 x 94mm (5.2" x 5.2" x 3.7")	4
3042G	81-place (9x9), green	●	132 x 132 x 94mm (5.2" x 5.2" x 3.7")	4
3042R	81-place (9x9), red	●	132 x 132 x 94mm (5.2" x 5.2" x 3.7")	4
3042Y	81-place (9x9), yellow	●	132 x 132 x 94mm (5.2" x 5.2" x 3.7")	4



## VIAL PICKER

For the safe and convenient removal of frozen vials from storage boxes.

- Thermoplastic elastomer (TPE)

Item #	Color	Unit
30078	Blue	10

## CARDBOARD STORAGE BOXES

These economical boxes are designed for the long term storage of cryogenic vials in freezer rack systems. They have a liquid-resistant outer coating.

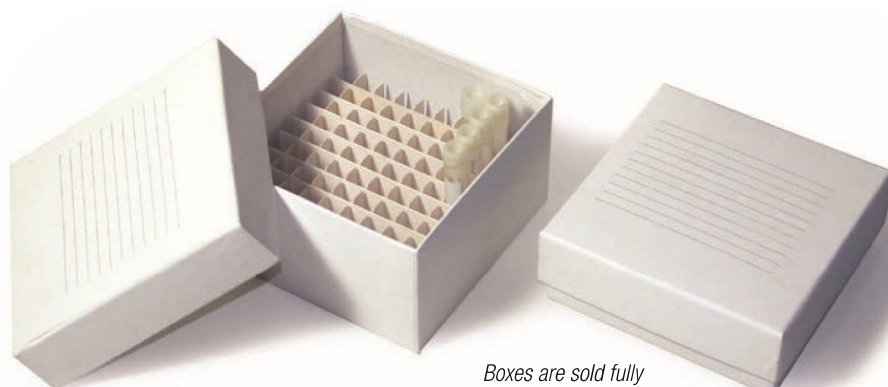
- Heavy-duty cardboard
- Boxes come fully assembled
- Temperature range: -196°C to +121°C
- Fits in stainless steel freezer racks
- Weep holes drain liquid and reduce moisture build-up

Additional colors available by special order.

## WORKSTATION RACKS

Globe workstations accommodate both round bottom and self-standing CryoClear™ cryogenic vials. The self-standing vials lock into the rack for easy one-handed opening and closing of caps.

- 40-Place (10 x 4 format)
- Polycarbonate (PC)
- Anti-slip rubber feet
- Autoclavable at 121°C, 15 psig (1 bar) for 20 minutes
- Temperature range: -196°C to +121°C
- Dimensions: 215 x 100 x 25mm



Boxes are sold fully assembled and ready for use

## Storage Box for 2" Tall Vials

Dimensions: 134 x 134 x 47mm (5.2" x 5.2" x 1.85")

Item #	Description	Units
3090	64 place (8x8), white, for up to 2" tall x 15mm wide vials	Each & 96
3091	81 place (9x9), white, for up to 2" tall x 13mm wide vials	Each & 96
3091R	81 place (9x9), red, for up to 2" tall x 13mm wide vials	Each & 96
3092	100 place (10x10), white, for up to 2" tall x 12mm wide vials	Each & 96

## Storage Box for 3" Tall Vials

Dimensions: 134 x 134 x 76mm (5.2" x 5.2" x 3")

Item #	Description	Units
3094	64 place (8x8), white, for up to 3" tall x 15mm wide vials	Each & 48
3094Y	64 place (8x8), yellow, for up to 3" tall x 15mm wide vials	Each & 48
3095	81 place (9x9), white, for up to 3" tall x 13mm wide vials	Each & 48
3096	100 place (10x10), white, for up to 3" tall x 12mm wide vials	Each & 48

Cardboard storage boxes are also available for 15 and 50mL centrifuge tubes. See page 129.

## Workstation Racks

Item #	Color	Unit
3049B	Blue	Each
3049G	Green	Each
3049R	Red	Each

Anti-slip rubber feet hold workstation in place while removing caps

Self-standing vials lock into workstation

