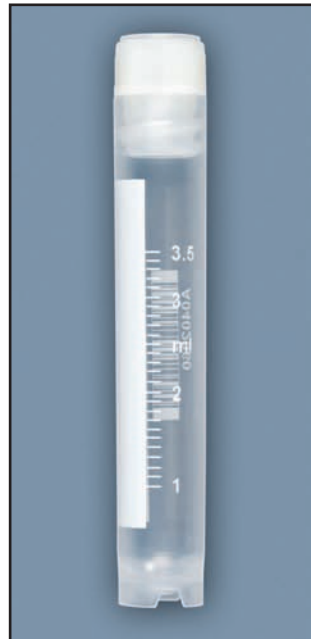


## 4mL CryoClear™ Sterile, Barcoded Cryogenic Vials

Item# 3005 - Internal thread, round bottom, self-standing



Item# 3005 (shown actual size)

All CryoClear™ cryogenic vials are sold in tamper evident, resealable plastic bags. 50 vials per bag, 10 bags per case.

### Description

Globe Scientific's CryoClear™ vials are designed for cryogenic storage and transport of biological specimens at temperatures as low as -196°C. This innovative line features outstanding leak resistance and purity due to the special thermoplastic elastomer layer that is co-molded with the screw cap. The caps feature a star shaped top cavity that is engineered to work with automated capping/decapping equipment. Each vial has a unique printed barcode for automated data collection, accurate sample inventory, and to conceal the sample's identity. The vials have printed graduation marks for exact measurements and a large white writing area for manual specimen identification.

### Features and Benefits

- Screw caps are molded with a thermoplastic elastomer (TPE) layer to provide a 100% leak-proof seal
- Star shaped top cavity is engineered for use with automated capping/decapping equipment
- Unique barcode printed on each vial for automated data collection
- White writing surface for specimen identification
- Printed graduations for accurate measurements
- Vials and caps are autoclavable
- Produced from medical grade raw materials that will not discolor after re-sterilizing
- Chemical resistant polypropylene vial
- Tamper evident packaging
- Self-standing vials interlock in Globe workstation

### Products

| Item# | Description                                                               | Packaging                |
|-------|---------------------------------------------------------------------------|--------------------------|
| 3005  | 4mL, sterile cryogenic vial, internal thread, round bottom, self-standing | 50 per bag, 500 per case |

## 4mL CryoClear™ Sterile, Barcoded Cryogenic Vials

Item# 3005 - Internal thread, round bottom, self-standing

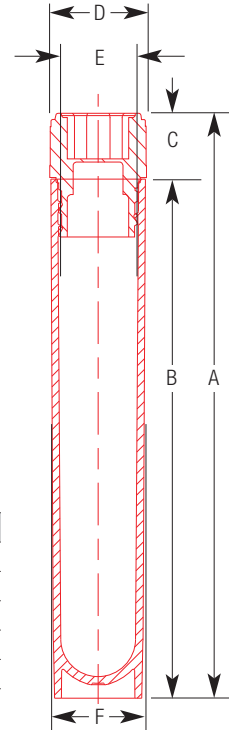
### Technical Specifications

|                               |                                                                                    |
|-------------------------------|------------------------------------------------------------------------------------|
| Material: Vial:               | Medical/FDA Polypropylene (PP)                                                     |
| Cap:                          | Medical/FDA Polyethylene (PE) co-molded with a thermoplastic elastomer (TPE) layer |
| Sterilization:                | Beta radiation                                                                     |
| SAL level:                    | 10 <sup>-6</sup>                                                                   |
| Autoclavable:                 | Vials and caps                                                                     |
| Temperature range:            | -196° to +121°C                                                                    |
| Mold release agents:          | None used in manufacturing                                                         |
| Maximum psi:                  | 14.5 psi                                                                           |
| Maximum centrifugation speed: | 17530 xg (To obtain RPM, verify the diameter of the centrifuge and convert)        |

Printing on the vials is resistant to the following common laboratory chemicals:

|                     |        |
|---------------------|--------|
| Isopropyl alcohol:  | 5-100% |
| Butanol:            | 100%   |
| DMSO:               | 10-20% |
| Bleach:             | 5%     |
| Acetic acid:        | 10%    |
| Hydrochloric acids: | 10%    |
| NaOH:               | 10%    |

| 4mL - Internal Thread |                |        |
|-----------------------|----------------|--------|
| A                     | Overall Height | 76.4mm |
| B                     | Vial Height    | 68.2mm |
| C                     | Cap Height     | 8.3mm  |
| D                     | Cap O.D.       | 12.3mm |
| E                     | Vial I.D.      | 10.0mm |
| F                     | Vial O.D.      | 12.5mm |



### Product Certifications

|                                                      |                                                                                                                                                                                                 |
|------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manufacturing environment:                           | Produced, assembled and packaged in a ISO 7 cleanroom (Class 10,000) in accordance with quality guidelines ISO 13485:2004, ISO 14644, ISO 14698 (Federal Standard 209), ISO 14000 and ISO 18000 |
| Material:                                            | Virgin raw materials are tested according to the "United States Pharmacopia" (USP) and with the "drug master file" (DMF) at the FDA Certified under USP Class VI                                |
| CONEG:                                               | This product meets CONEG requirements and therefore does not contain heavy metals in the color concentrate                                                                                      |
| Sterilization:                                       | Sterilized in accordance with EN ISO 11137                                                                                                                                                      |
| DNase, RNase and pyrogen free:                       | Every lot is certified* by an independent laboratory to be free of DNase, RNase and pyrogens                                                                                                    |
| Human DNA and ATP free:                              | Every lot is certified* by an independent laboratory to be free of Human DNA and ATP                                                                                                            |
| Non-cytotoxic:                                       | This product is certified* to be free of cytotoxins                                                                                                                                             |
| Non-hemolytic:                                       | This product is certified* to be free of articles causing hemolysis                                                                                                                             |
| In vitro Diagnostic Medical Device:                  | Complies with Directive 98/79/EC of the European Parliament and the Council of 27 October 1998 on in vitro diagnostic medical devices                                                           |
| Leak proof:                                          | Vials are certified leak proof at a pressure of 95 kPa (0.95 bar, 14.5 psi) by applying a closure force of not less than 8 cNm                                                                  |
| IATA (International Air Transportation Association): | Can be used as a primary receptacle for the transport of diagnostic specimens as outlined by the IATA Dangerous Goods Regulations, Part 6.3,5                                                   |

\*Certificate of Analysis available upon request.