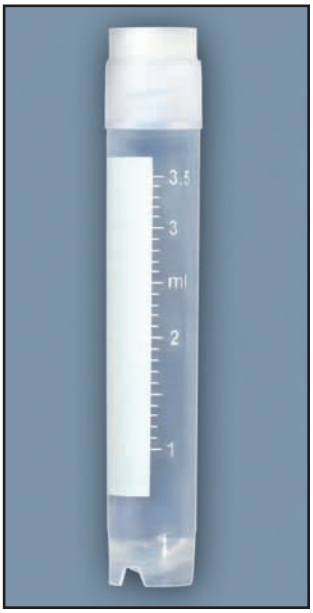
4mL CryoClear™ Sterile, Barcoded Cryogenic Vials

Item# 3014 - External thread, round bottom, self-standing









Item# 3014 (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™ vial 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
- Slim profile cap ensures ensures better fit in racks and boxes
- 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
3014	4mL, sterile cryogenic vial, external thread, round bottom, self-standing	50 per bag, 500 per case

4mL CryoClear™ Sterile, Barcoded Cryogenic Vials

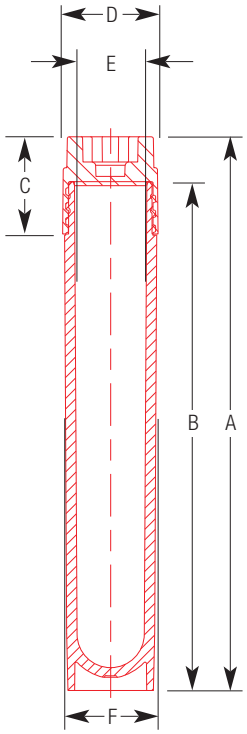
Item# 3014 - External thread, round bottom, self-standing

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^{-6}
Autoclavable:	Vials and caps
Temperature range:	-196º to +121ºC
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 - External Thread		
A	Overall Height	75.1mm
B	Vial Height	68.6mm
C	Cap Height	13.75mm
D	Cap O.D.	13.5mm
E	Vial I.D.	9.4mm
F	Vial O.D.	12.5mm

Product Certificatons

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:	Sterilzed 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.*