

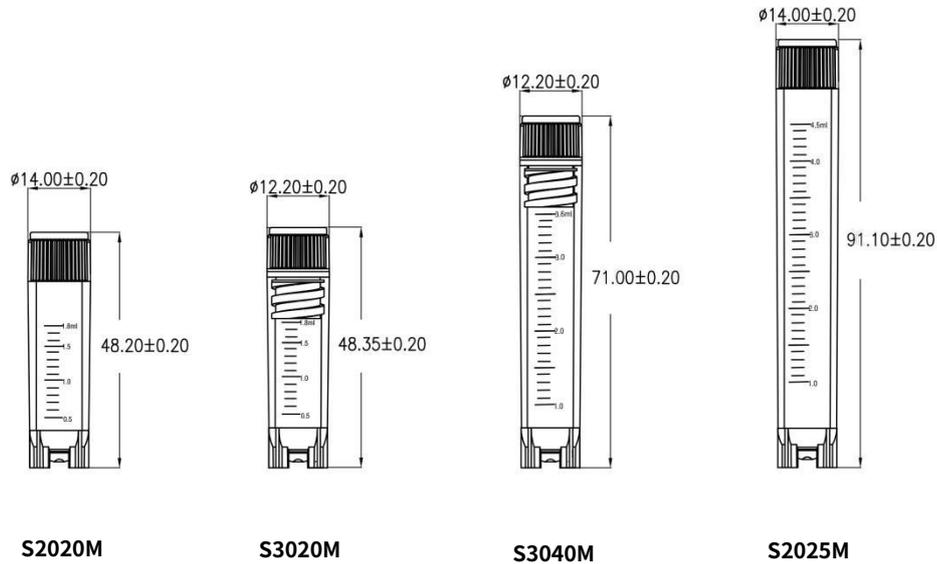
# Cryogenic Tube DATA SHEET



ISO9001: 2015 ISO13485: 2016

Product Name	Cryogenic Tube
Product Materials	<p>Tube: Ultra-pure polypropylene</p> <p>Cap: Polypropylene</p> <p>O-ring: Silicone</p>
Product Shelf Life	<p>Temperature Range: -196°C (gas phase of LN2) to +121°C</p> <p>Shelf Life: 4 years after date of production (provided the packaging remains intact)</p>
Sterilization	<p>Yes.</p> <p>Sterilized by electron beam irradiation, SAL=10<sup>-6</sup>.</p> <p>This product has been irradiated and released based on ANSI/ AAMI/ ISO 11137 standards.</p>
Biological Safety & Purity	<p>Free of detectable DNase/RNase</p> <p>Non-Pyrogenic, Non-Cytotoxic, Non-Endotoxins</p> <p>Free of ATP, human DNA and PCR Inhibitor</p> <p>BSE/TSE BPA, Phthalate, Latex, and Heavy metal-free</p>
Performance Test	<p>Each manufacturing lot is sampled and tested in accordance with standard operating procedures.</p> <p>Appearance inspection: qualified      Stress test: qualified</p> <p>Sealing test: qualified      Packaging inspection: qualified</p> <p>Dimensional inspection: qualified      Functional check: qualified</p>
Features	<ol style="list-style-type: none"> <li>1. Manufactured from high-quality polypropylene in class VIII cleanroom for highest sample purity.</li> <li>2. Polypropylene cap has silicone O-ring for a secure, leakproof seal.</li> <li>3. Withstand temperature range: -196°C (gas phase of LN2) to +121°C.</li> <li>4. High-contrast 100 µL graduations are bold and easy to read.</li> <li>5. Sterilized by E-beam, SAL=10<sup>-6</sup>.</li> <li>6. Free of detectable DNase/RNase.</li> <li>7. Non-Pyrogenic, Non-Cytotoxic, Non-Endotoxins.</li> <li>8. Free of ATP, human DNA and PCR Inhibitor.</li> <li>9. BSE/TSE, BPA, Phthalate, Latex and Heavy metal-free.</li> <li>10. Sterile packed in resealable bags. Includes traceable sterility certificate.</li> </ol>
Product Application	<p>Designed for cryopreservation of cells and other samples. It can withstand temperatures as low as -196°C.</p>
Warning	<ol style="list-style-type: none"> <li>1. Cryogenic tubes are typically stored in the gas phase of liquid nitrogen. If stored in the liquid phase of liquid nitrogen, they must be allowed to equilibrate in the gas phase for a period of time after removal. This step is crucial before any subsequent procedures are performed.</li> <li>2. Ensure to wear proper personal protective equipment when removing tubes from cryogenic storage.</li> </ol>

## Technical Drawing



Item	Product Name	Volume	Colour	Thread Style	Sterile	Qty/Pk	Qty/Cs
S2020M	External Thread Cryogenic Tube	2mL	Clear	External	Yes	50/Pk	500/Cs
S3020M	Internal Thread Cryogenic Tube	2mL	Clear	Internal	Yes	50/Pk	500/Cs
S3040M	Internal Thread Cryogenic Tube	4mL	Clear	Internal	Yes	25/Pk	200/Cs
S2025M	External Thread Cryogenic Tube	5mL	Clear	External	Yes	25/Pk	200/Cs

### Gifts notes for product orders:

2mL cryogenic tube: Each case comes with 500 inserts in 5 colors as a gift.

4mL/5mL cryogenic tube: Each case comes with 200 inserts in 5 colors as a gift, plus 100 2mL external thread cryogenic tubes (with 100 inserts).