

labcon®



# ViewPoint™ Thermochromic Tubes

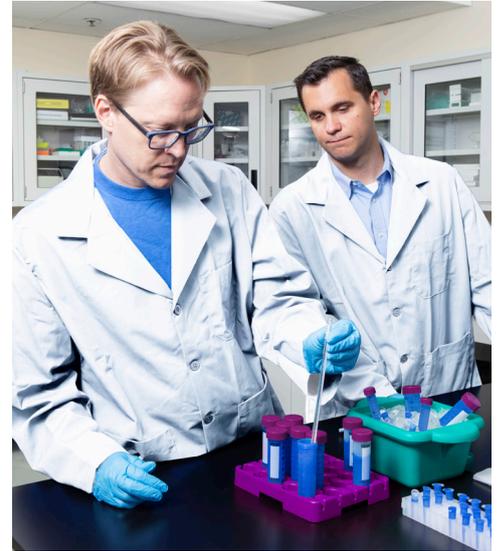
Real-Time Temperature Signaling

Find it at [fishersci.eu](https://fishersci.eu)

 **fisher scientific**  
part of Thermo Fisher Scientific

# Good science begins with observation

ViewPoint™ tubes transition from clear to blue when exposed to cold temperatures. This multi-step and reversible thermochromic transition offers real-time temperature signaling to indicate fluctuations above and below 4 °C. At 5 °C and above, ViewPoint™ tubes are clear and transparent. At 4 °C, ViewPoint™ tubes transition to light blue and become slightly opaque. At 0 °C, ViewPoint™ tubes reach their full progressive transition to dark blue, are completely opaque, and provide protection from Ultraviolet (UV) light. Offered in 1.5 mL, 15 mL, and 50 mL size tubes. Patents Pending.



**REAL-TIME TEMPERATURE SIGNALING**  
Reversible blue color transition begins at 4 °C with full dark blue signaling at 0 °C



**HIGHER LEVEL OF TEMPERATURE CONTROL**  
Maintain desired temperature throughout experimentation

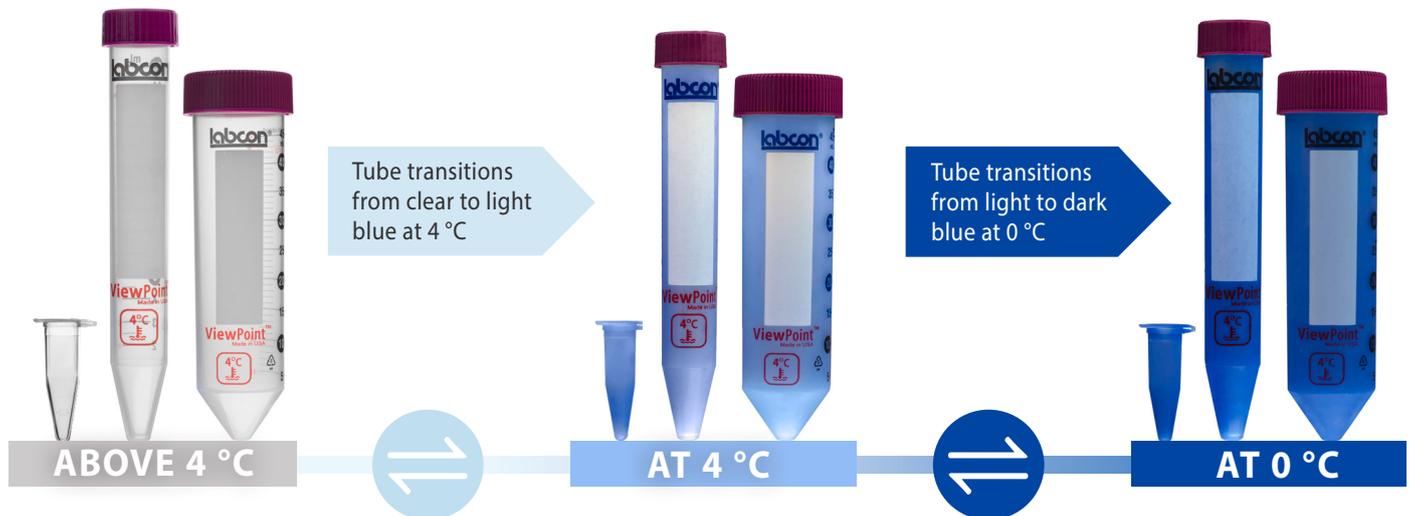


**PROTECTION FROM ULTRAVIOLET LIGHT**  
When dark blue (0 °C) ViewPoint™ tubes protect biomolecules, fluorophores, and chromophores from Ultraviolet (UV) light



**TESTED & CERTIFIED SAFE FOR CELL CULTURE**  
Lot tested free of ATP, RNase, DNase, and Endotoxin. Testing includes Sperm Motility Assay (SMA) and Mouse Embryo Assay (MEA)

## Real-Time Temperature Signaling:



## Optimize Incubation Time On Ice:

### *Chilling samples and solvents on ice*

A large number of protocols require chilled cells and/or chilled solvents. In these protocols samples and solutions are chilled for 30 minutes, 3 hours, or overnight. ViewPoint™ signals that a sample is chilled to 0 - 4 °C. Efficient chilling reduces incubation time, saving researchers time in their workflow.



# Real-Time Temperature Signaling Protects Samples

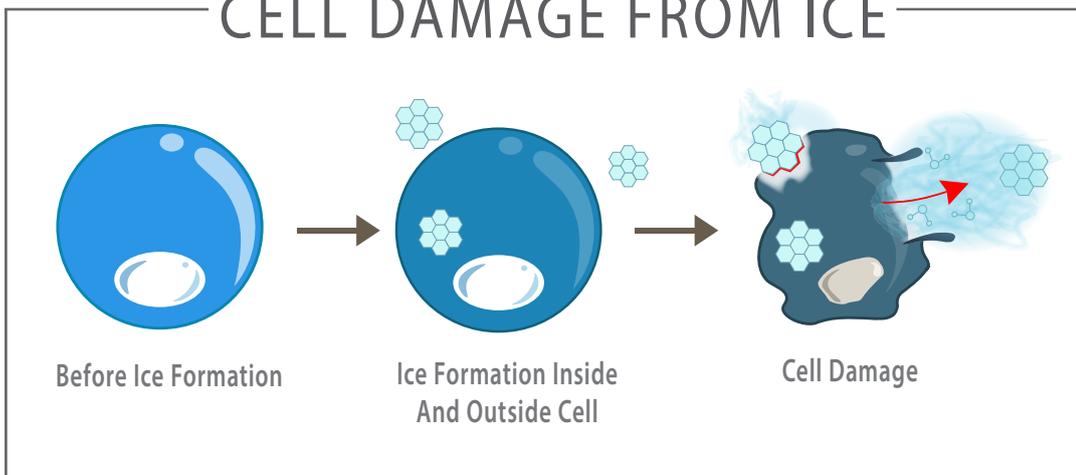
## Ice Crystal Formation

It is critical to reduce the formation of ice crystals when working with aqueous samples. Ice crystals begin to form at 0 – 4 °C and damage cells. ViewPoint™ tubes begin transitioning from clear to light blue at 4 °C with full dark blue signaling at 0 °C. Real-time temperature signaling alerts the researcher to potentially harmful ice crystal formation and enables the maintenance of the desired temperature throughout experimentation.



ViewPoint™ tube graphics and iconography are trademarks of Labcon North America and are protected.

## CELL DAMAGE FROM ICE



## Protection from UV:

### UV Damage

When dark blue (0 °C), ViewPoint™ tubes provide added protection from Ultraviolet (UV) light. Unlike other tinted products, ViewPoint™ tubes become opaque at 0 °C and provide protection from UV, eliminating the need for wrapping tubes in aluminum foil to shield sensitive samples from light radiation. Without a bulky aluminum foil wrap, ViewPoint™ tubes fit perfectly into racks and can be clearly labeled on the frosted writing surface.



# Special Features:

## 15 mL and 50 mL ViewPoint Tubes



AUTOCLAVABLE



FREEZABLE



SPIN RATE



UV PROTECTION



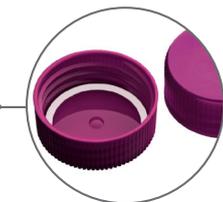
TUBES



CAPS

### Leak-Resistant

Elastomeric molded-in sealing ring that keeps sample secure



### Easy-Grip Design

Will not catch gloves and can be labeled easily



### Smear-Resistant

Large writing panel for sample identification



### Max Freeze

Maximum volume for freezing liquid samples



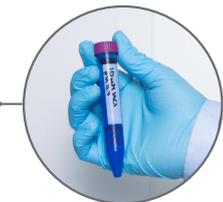
### Accurate Measurements

Easy-to-read graduations and reverse scale



### Thermochromic

Blue color transition begins at 4 °C with full dark blue signaling at 0 °C



### Recyclable

Tubes, caps, and packaging options



### High Quality Resin

Durable, medical-grade resin withstands autoclaving, freezing, and centrifugation at 12,500 RCF.



### UV Protection

When dark blue (0 °C), ViewPoint™ tubes provide protection from Ultraviolet (UV) light.



# Special Features:

## 1.5 mL ViewPoint Tubes



AUTOCLAVABLE



FREEZABLE



SPIN RATE



UV PROTECTION



TUBES

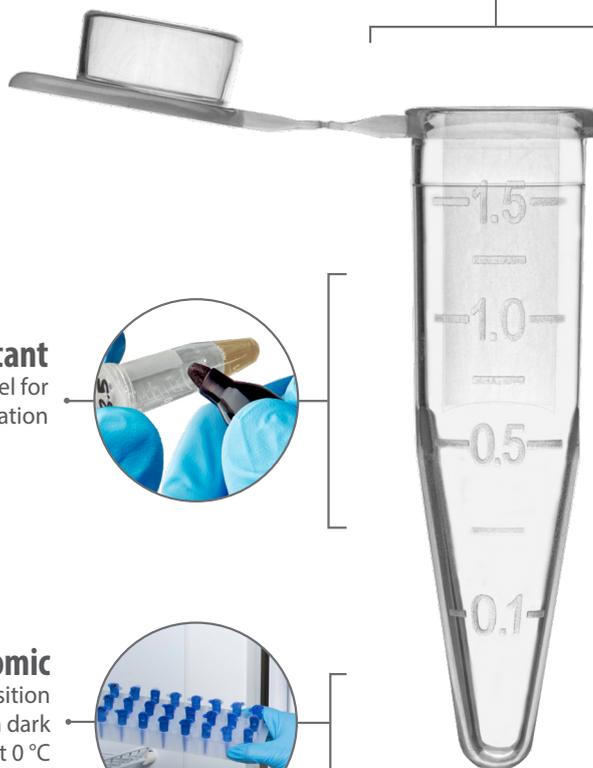


PACKAGING



### Leak-Resistant

Secure seal with a unique 90° hinge for easy opening and closing



### Smear-Resistant

Frosted writing panel for sample identification



### Extended Sealing Area

Secure contact with cap for better resistance to pressure during boiling or storage.



### Accurate Measurements

Precise, easy-to-read etched graduations



### Recyclable

Tubes and packaging (bags) can be recycled



### Thermochromic

Blue color transition begins at 4 °C with dark blue signaling at 0 °C



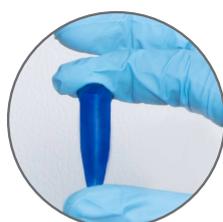
### High Quality Resin

Durable, medical-grade resin withstands autoclaving, freezing, and centrifugation at 40,000 RCF.



### UV Protection

When dark blue (0 °C), ViewPoint™ tubes provide protection from Ultraviolet (UV) light.



# Biological Testing & Certifications:

Labcon uses non-cytotoxic medical grade 100% virgin resin; no recycled plastics or commodity grade resin. Each lot is tested and certified ATP Free, Nuclease (RNase/DNase) Free. Cytotoxicity testing includes: Endotoxin (Pyrogen) Free, Sperm Motility Assay (SMA), Mouse Embryo Assay (MEA). Compliant with FDA CFR Title 21-177.1520, 178.3295, 178.3297 and ISO 10993-3.

Certified sterile products undergo a validated (U.S. FDA) E-beam (beta radiation) process and receive a guaranteed sterility assurance level (SAL) of 10<sup>-6</sup>. A SAL of 10<sup>-6</sup> is the highest level of sterility and is the international standard for medical devices. Current FDA and international standards require a sterility assurance level (SAL) of 10<sup>-6</sup> for medical devices.

Certificates and biological test results are available to download at: [labcon.com/certificates.html](http://labcon.com/certificates.html)

**ViewPoint Quality & Compliance**



## Packaging Options:



### Bags

Our microcentrifuge tube bags are recyclable. Simply refill microtube racks with bagged products for ZERO packaging waste.



### IntegraPacks

IntegraPack's secure, leak-resistant seal can be fully immersed in or sprayed with alcohol before opening. IntegraPack features 5 sleeves of 10 tubes (50 tubes per pack). Perfect for clean rooms or under the hood.



### Plastic Racks

Plastic racks are recyclable, freezable, autoclavable, and reusable. These polypropylene racks are extremely durable and can be autoclaved and refilled with tubes over and over again.

Product Description	Sterile	Qty Pk	Cat. No.
1.5 mL ViewPoint Microcentrifuge Tubes in Bag	-	500 Tubes	16649832
15 mL ViewPoint Microcentrifuge Tubes in IntegraPack	-	50 Tubes	16609842
15 mL ViewPoint Microcentrifuge Tubes in IntegraPack	✓	50 Tubes	16619842
15 mL ViewPoint Microcentrifuge Tubes in Plastic Rack	✓	50 Tubes	16629842
50 mL ViewPoint Microcentrifuge Tubes in IntegraPack	-	50 Tubes	16639842
50 mL ViewPoint Microcentrifuge Tubes in IntegraPack	✓	50 Tubes	16649842
50 mL ViewPoint Microcentrifuge Tubes in Plastic Rack	✓	25 Tubes	16659842

Find out more at [fishersci.eu](http://fishersci.eu)

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