



ViewPoint™ ThermoChromic Tubes

Real-Time Temperature Signaling



- Real-time temperature signaling
- Protection from UV

- Higher level of temperature control
- Tested and certified safe for cell culture

www.labcon.com



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

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



PROTECTION FROM UV

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



HIGHER LEVEL OF TEMPERATURE CONTROL

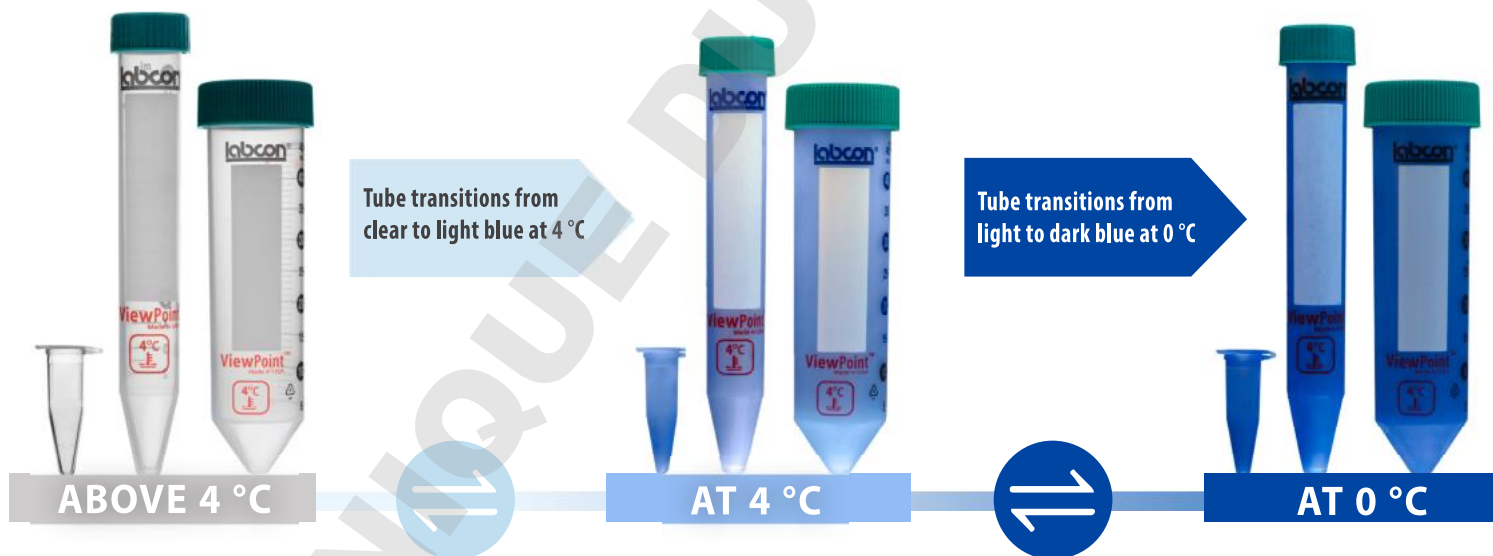
Maintain desired temperature throughout experimentation



TESTED AND 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

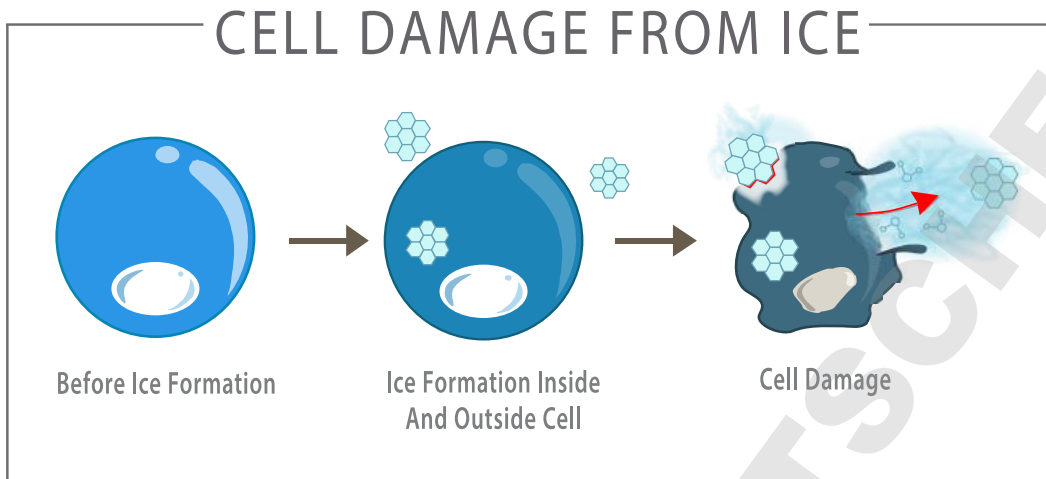
A large number of protocols require chilled cells and/or chilled solvents. In these protocols samples and solutions are chilled for 30 minutes, 3 hours, or overnight. ViewPoint™ signals that a sample is chilled to 0 - 4 °C. Efficient chilling reduces incubation time, saving researchers time in their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



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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



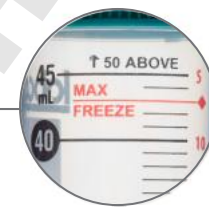
Easy-Grip Design
Will not catch gloves and can be labeled easily



Smear-Resistant
Large writing panel for sample identification



Max Freeze
Maximum volume for freezing liquid samples



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



Accurate Measurements
Easy-to-read graduations and reverse scale



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



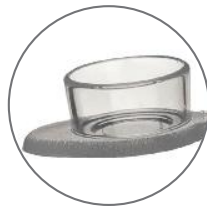
UV PROTECTION



TUBES



PACKAGING



Leak-Resistant

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



Extended Sealing Area

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



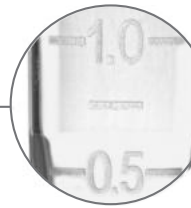
Smear-Resistant

Frosted writing panel for sample identification



Accurate Measurements

Precise, easy-to-read etched graduations



Thermochromic

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



Recyclable

Tubes and packaging (bags) can be recycled



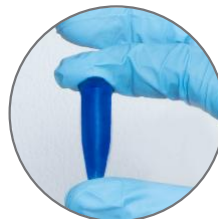
High Quality Resin

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 and 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^{-6} . A SAL of 10^{-6} 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^{-6} for medical devices.

Certificates and biological test results are available to download at: labcon.com/certificates.html

Packaging Options

ViewPoint packaging is approved for medical use and is designed for maximum recyclability.



Bags

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



RECYCLABLE



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.



RECYCLABLE



LEAK-RESISTANT



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.



RECYCLABLE



FREEZABLE



AUTOClavABLE



REFILLABLE

ORDERING INFORMATION

Item	Size	Sterile	Packaging	Quantity/Pack	Quantity/Cs
3005-840-000-9	1.5 mL	No	Bag	1 Bag (100 Tubes)	10 bags (1000 Tubes)
3210-320-008-9	15 mL	No	IntegraPack	1 IntegraPack (50 Tubes)	2 Packs (100 Tubes)
3210-325-008-9	15 mL	Yes	IntegraPack	1 IntegraPack (50 Tubes)	2 Packs (100 Tubes)
3210-335-008-9	15 mL	Yes	Plastic Rack	2 Plastic Rack (50 Tubes)	6 Packs (300 Tubes)
3220-320-008-9	50 mL	No	IntegraPack	1 IntegraPack (50 Tubes)	2 Packs (100 Tubes)
3220-325-008-9	50 mL	Yes	IntegraPack	1 IntegraPack (50 Tubes)	2 Packs (100 Tubes)
3220-335-008-9	50 mL	Yes	Plastic Rack	1 Plastic Rack (25 Tubes)	12 Packs (300 Tubes)

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ViewPoint Quality & Compliance



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