



# CENTRIFUGATION

*Centrifuge Tubes*

FOR MORE INFORMATION:  
[labcon.com/centrifuge.html](http://labcon.com/centrifuge.html)

# CENTRIFUGATION

15 mL & 50 mL Conical Bottom Centrifuge Tubes



## SuperClear®

For high-speed centrifugation & storage



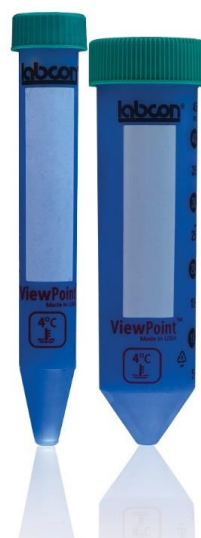
## MetalFree®

For sensitive applications requiring no trace metals



## UVsafe®

For light-sensitive applications



## ViewPoint™

For precision temperature applications



## PerformR®

For everyday centrifugation & storage

## Virgin High-Quality Resins

- No recycled plastics
- Free of heavy metals
- Free of DiHEMDA, oleamide, and BPA
- Tubes and caps are freezable (-80° C)
- Tubes and caps are autoclavable (122°C), as long as caps are loosely attached to tubes

## Validated Sterility

- Sterile tubes have a guaranteed Sterility Assurance Level (SAL) of 10<sup>-6</sup> which is required internationally for medical and diagnostic devices

## Sustainable Design

- Caps, tubes, and packaging have recycling identification codes
- Manufactured with waste-free molding machines
- Tube graphics and graduations printed with UV-cured inks which significantly reduce the emissions of harmful VOCs
- Offered in sustainable packaging approved for medical use

Packaging options are listed on the following page

## Cap Options



### Flat Caps

Secure seal and easy to label  
Available with: PerformR® Tubes

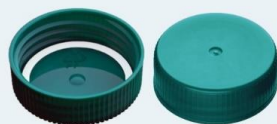
Polyethylene



### Natural Flat Caps

Secure seal and easy to label  
Available with: Metal-Free® Tubes

Polyethylene



### Flat Caps with Elastomeric Sealing Ring

Leakproof seal and easy to label  
Available with: SuperClear® and ViewPoint™ Tubes

Polypropylene



### Plug Caps

Secure seal for extended storage  
Available with: PerformR®, SuperClear®, and UVsafe® Tubes

Polyethylene







### Individually Wrapped

- Sterile tube in a thermal-sealed bag
- Validated secure seal for sterility
- Leak resistant - can be sprayed with alcohol before opening
- Ideal for most demanding sterile techniques



### Plastic Rack

- 25 tubes per rack with numbered wells
- Made from 100% pre-consumer high quality recycled plastic from our in-house plastic scrap recycling program
- Recommended for use when freezing samples in tubes. Freezable (-80°C)
- Reusable - can be autoclaved (122°C) and refilled over and over again
- Stackable when empty for easy storage
- Recyclable polypropylene with resin ID code imprinted for easy recycling
- Racks can lock together to form a benchtop workstation



### IntegraPack®

- 50 tubes per IntegraPack® (5 sealed sub-packs of 10 sterile tubes)
- Every subpack is labeled with lot number and sterile expiration date
- The seam is specifically designed for easy open tearing with gloves and can easily separate/open without scissors
- Validated secure seal for purity and leak resistance - can be sprayed with alcohol before opening
- Perfect for most demanding sterile applications like clean rooms and fume hood work
- Robotically oriented and packed tubes



### Cardboard Rack

- 25 tubes per rack
- Numbered wells
- Folds flat easily for recycling
- A view port allows users to see filled tubes
- Patented



### Bag

- 50 tubes per bag
- Bags have validated secure seal for sterility and leak resistance



### Bulk

- Cost effective
- Tubes and caps in separate bags



# CENTRIFUGATION

SuperClear® For High Speed Centrifugation & Extended Storage



## SUPERCLEAR® FEATURES

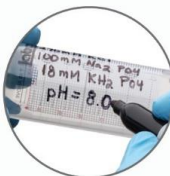
### Leakproof Seal

IATA 95kPa-certified flat caps have an integral elastomeric sealing ring that forms a certified barrier against air, liquid, & aerosol leaks



### Grid-Style Writing Panel

Patented, smudge-resistant large writing panel for sample identification



### High Spin Rates

Withstands high g-forces without leaking or breaking

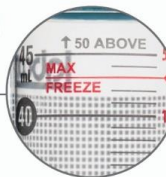


### Flat or Plug Cap Options

Plug caps do not have an elastomeric sealing ring

### Freezable

(-80°C) with maximum liquid volume indicator for safe sample freezing



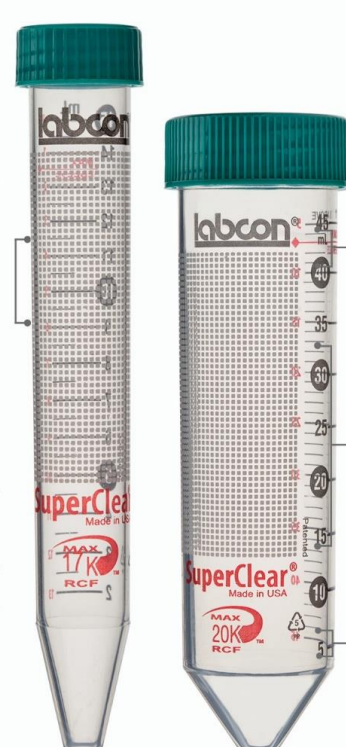
### Graduations

With forward and reverse scales for easy-to-read & accurate measurements



### Recyclable

Caps & tubes have recycling ID codes



Not shown to scale

## SuperClear® Centrifuge Tubes

SuperClear® tubes are made from an ultra-clear medical grade resin and engineered with thick, durable walls for high speed centrifugation. They consistently outperform other brands and are designed to prevent breakage and leakage during centrifuge and freezing. Our leak-resistant flat caps keep your samples secure and our transparent, extra large writing panel is smudge-resistant and easy to see through. Tubes can also be autoclaved (122°C).

<b>MATERIAL</b>	Proprietary Polypropylene
<b>GRADE</b>	Medical
<b>RATING</b>	USP Class VI
<b>APPROVED USES</b>	Medical, Research, Industrial, Food & Beverage
<b>COLORS</b>	Clear tube/teal cap

## Packaging Options



Individually Wrapped



Plastic Rack



IntegraPack®



Cardboard Rack



Bag



Bulk



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# CENTRIFUGATION

MetalFree® For Applications That Require Low-Trace Metals



## METALFREE® FEATURES

### Additive-free

Flat caps for easy labeling



### Grid-Style Writing Panel

Patented, smudge-resistant large writing panel for sample identification



### High RCF

Withstands high g-forces without leaking or breaking



### Ultra Low Trace Metals

Tubes and caps made with virgin, 100% medical grade CFR21 compliant ultra low metal resins



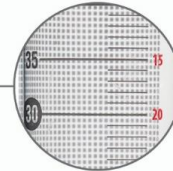
### Freezable

(-80°C) with maximum liquid volume indicator for safe sample freezing



### Graduations

With forward and reverse scales for easy-to-read & accurate measurements



### Recyclable

Caps & tubes have recycling ID codes



Not shown to scale

## MetalFree® Centrifuge Tubes

MetalFree centrifuge tubes are manufactured with a proprietary process to ensure that common trace metals and elements that can interfere with experiments are below one part per billion (<1ppb). MetalFree centrifuge tube manufacturing is certified by Inductively Coupled Plasma Mass Spectroscopy (ICP-MS) and are perfect for sensitive applications requiring the assurance of low background metals and elements.

Metals and other elements included in testing:

- ✓ Aluminum
- ✓ Arsenic
- ✓ Cadmium
- ✓ Calcium
- ✓ Chromium
- ✓ Cobalt
- ✓ Copper
- ✓ Iron
- ✓ Lead
- ✓ Lithium
- ✓ Magnesium
- ✓ Manganese
- ✓ Mercury
- ✓ Nickel
- ✓ Phosphorus
- ✓ Potassium
- ✓ Selenium
- ✓ Silicon
- ✓ Sodium
- ✓ Vanadium
- ✓ Zinc

**MATERIAL** Polypropylene (tubes) and polyethylene (caps)  
**GRADE** Medical  
**RATING** USP Class VI  
**APPROVED USES** Medical, Research, Industrial, Food & Beverage

**Download Certificate**  
[labcon.com/certificates.html](http://labcon.com/certificates.html)

**Packaging Options**



Cardboard Rack



Bag



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# CENTRIFUGATION

UVSafe® For Light-Sensitive Applications



## UVSAFE® FEATURES

### Secure Cap

Deep plug seal suitable for extended storage



### Writing Panel

Large, white solvent-resistant writing panel



### Recyclable

Caps & tubes have recycling ID codes

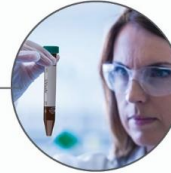


### Certified to Block 100% UV Light

Blocks the transmittance of UVA, UVB, and UVC wavelengths from 100-400 nm

### Certified to Prevent Photobleaching

Block light wavelengths from 400-750 nm, preventing loss of fluorescent signals



### Graduations

Easy-to-read, accurate, & won't rub off



### Spin Rate

Max RCF printed directly on the tube



Not shown to scale

## UVSafe® Centrifuge Tubes

UVSafe® amber centrifuge tubes are certified to protect light-sensitive samples. They block 100% of UVA, UVB, and UVC transmittance. Ideal for use with fluorescent probes or ethidium bromide. Unlike other amber-tinted products, UVSafe® tubes are completely opaque, protecting even the most light-sensitive compounds, and preventing damage to nucleic acids and proteins.

<b>MATERIAL</b>	Polypropylene (tubes) Polyethylene (caps)
<b>GRADE</b>	Medical
<b>RATING</b>	USP Class VI
<b>APPROVED USES</b>	Medical, Research, Industrial, Food & Beverage
<b>COLORS</b>	Amber tube/teal cap

### Download Certificate

[labcon.com/certificates.html](http://labcon.com/certificates.html)

Excised parts from each lot of product are placed in a spectrophotometer and examined for the ability to block the transmittance of UVA, UVB and UVC wavelengths from 100-400nm. Product lots are also tested for the ability to block transmittance of light wavelengths from 400-750nm used in fluorescence experiments. Product lots are approved when parts demonstrate 100% blockage of all wavelengths tested.



### Packaging Options



[labcon.com](http://labcon.com)



# CENTRIFUGATION

ViewPoint™ For Temperature-Sensitive Applications



## VIEWPOINT™ FEATURES

### Leak-Resistant

Flat caps have an integral elastomeric sealing ring that forms a certified barrier against air, liquid, & aerosol leaks



### Writing Panel

Solvent-resistant large writing panel for sample identification



### UV Protection

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



Spins to:  
12,500  
RCF



### Real-time Temperature Detection

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

### Freezable

(-80 °C) with maximum liquid volume indicator for safe sample freezing



### Graduations

With forward and reverse scales for easy-to-read & accurate measurements



### Recyclable

Caps & tubes have recycling ID codes

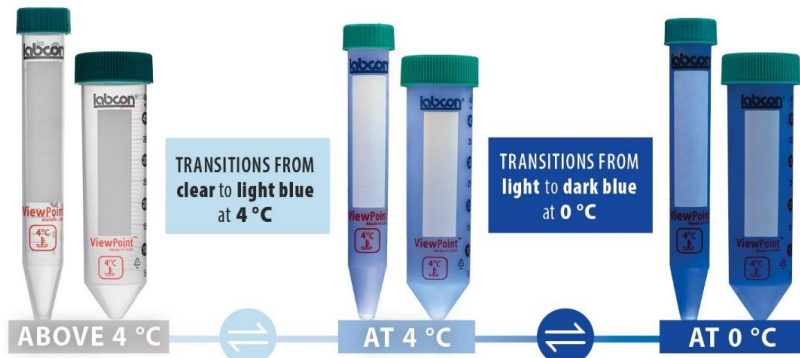


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## ViewPoint Centrifuge Tubes

ViewPoint™ thermochromic tubes are designed to identify sample temperature to support existing workflows without the need for reworked protocols or equipment. ViewPoint™ tubes transition from clear to blue when samples reach target cold temperatures. This two step and reversible thermochromic transition offers real-time temperature signaling to indicate that a sample has reached 4 °C and 0 °C. ViewPoint™ tubes are designed as a fail-safe cue before a sample has frozen, saving bench scientists time and eliminating generic, inefficient 30-minute incubations.

### Temperature Signaling



<b>MATERIAL</b>	Polypropylene
<b>GRADE</b>	Medical
<b>RATING</b>	USP Class VI
<b>APPROVED USES</b>	Medical, Research, Industrial, Food & Beverage
<b>COLORS</b>	Clear tube/teal cap

1.5 mL ViewPoint microtube information can be found on page 45

### Packaging Options



Plastic Rack



IntegraPack®



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# CENTRIFUGATION

PerformR® For Everyday Centrifugation



## PERFORMR® FEATURES



### Writing Panel

Solvent-resistant large writing panel for sample identification



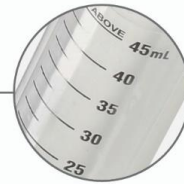
### Spin Rates

Spins to 12,500 RCF



### Flat or Plug Cap Options

Without an elastomeric sealing ring for less demanding chemicals



### Graduations

Easy-to-read, accurate, & won't rub off



### Recyclable

Caps & tubes have recycling ID codes



Not shown to scale

## PerformR® Centrifuge Tubes

PerformR® centrifuge tubes are designed for your everyday centrifugation and storage needs. These tubes include large white solvent resistant labeling areas and black easy-to-read graduations. They are available with either a flat cap that is easy to label or a plug style cap for horizontal applications. Always use appropriate cushion or adapters and biohazard containment precautions.

Sterile packaging is sterilized with a validated and approved ISO 11137 method.

**MATERIAL** Polypropylene (tubes) & Polyethylene (caps)

**GRADE** Medical

**RATING** USP Class VI

**APPROVED USES** Medical, Research, Industrial, Food & Beverage

## Packaging Options



Rack



Bag



Bulk



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# CENTRIFUGATION

15 mL PerformR® Polystyrene Centrifuge Tubes



## PERFORMR® POLYSTYRENE CENTRIFUGE TUBES

### Secure Flat Caps

Includes a polyethylene liner for a stronger seal, increased chemical resistance, & very low vapor transmission



### Quality Tested

Each lot certified free of RNase/ DNase, & ATP. Non-pyrogenic & endotoxin free



### Precision Molded

No sharp corners or excess plastic that could catch on gloves or contaminate samples



### Guaranteed Fit

Engineered to fit standard centrifuge tube rotors that accept 15 mL conical centrifuge tubes



### Graduations

Easy-to-read, accurate, & molded in place to ensure they won't rub off



### Pure Resins

Made exclusively from medical grade FDA compliant CFR21 resin



Not shown to scale

## PerformR® Polystyrene Centrifuge Tubes

Made of crystal clear resin and featuring bold, etched graduations, 15mL polystyrene tubes can be used for cell culture applications that require a glass clear material.

Cap includes a foamed low density polyethylene (LDPE) liner.



**Not autoclavable or freezable.**

**MATERIAL** Polystyrene (tubes) Polyethylene (caps) with polyethylene liner

**GRADE** Medical

**RATING** USP Class VI

**APPROVED USES** Medical, Research, Industrial, Food & Beverage

## Packaging Options



Cardboard Rack



Bag



Bulk



# CENTRIFUGATION

50 mL PerformR® Freestanding Centrifuge Tubes

## PERFORMR® FREESTANDING CENTRIFUGE TUBES



### Flat or Plug Cap Options

Neither caps have an elastomeric sealing ring

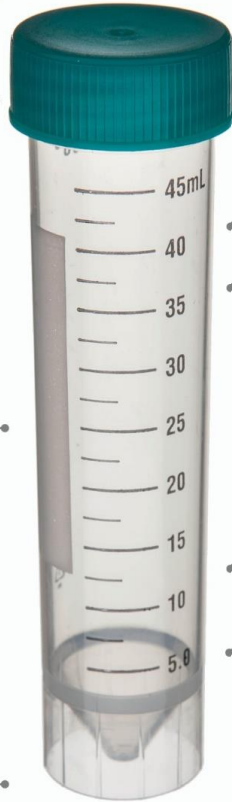
### Writing Panel

Solvent-resistant large writing panel for sample identification



### Precision Molded

No sharp corners or excess plastic that could catch on gloves or contaminate samples



### Guaranteed Fit

Engineered to fit standard centrifuge tube rotors that accept 50mL centrifuge tubes



### Graduations

Easy-to-read, accurate, & won't rub off



### Pure Resins

Made exclusively from medical grade FDA compliant CFR21 resin



Not shown to scale

## PerformR® Freestanding Centrifuge Tubes

PerformR® freestanding centrifuge tubes are designed for everyday molecular biology needs. These tubes include large white solvent resistant labeling areas and black easy to read graduations. They are available with either a flat cap that is easy to label or a plug style cap for other applications.

**MATERIAL** Polypropylene (tubes) Polyethylene (caps)

**GRADE** Medical

**RATING** USP Class VI

**APPROVED** Medical, Research, Industrial,

**USES** Food & Beverage

## Packaging Options



Bag



Bulk





# CENTRIFUGATION

PerformR® Large Format Centrifuge Tubes



## PERFORMR® LARGE FORMAT CENTRIFUGE TUBES

### Guaranteed Fit

Fits standard large tube centrifuge rotors, common storage racks, & cushions



### Pure Resins

Medical grade FDA compliant CFR21 resin



### Leak-Resistant

With elastomeric sealing ring that keeps sample secure



### Graduations

Easy-to-read, accurate, & molded in place to ensure they won't rub off



### Writing Area

For sample labeling & identification



### Quality Tested

Each lot certified free of RNase/DNase, & ATP. Non-pyrogenic & endotoxin free



225 mL

175 mL

Not shown to scale

## PerformR® Large Format Centrifuge Tubes

175 mL and 225 mL centrifuge tubes fit standard cushions and rotors of floor model and benchtop centrifuges. They are perfect for clarifying large volume solutions or concentrating live cells in tissue culture.

These tubes come in unique balanced packages of 2 tubes, so you don't have to worry about resealing bags or re-sterilizing these tubes. They also include our exclusive caps with an integrated elastomeric sealing ring that eliminates liquid leaking.

PerformR® large format centrifuge tubes fit popular rotor cushions



**MATERIAL** 100% Virgin Polypropylene

**GRADE** Medical

**RATING** USP Class VI

**APPROVED USES** Medical, Research, Industrial, Food & Beverage

### Packaging Options

Labcon's exclusive balanced twin pack reduces the risk of contamination and eliminates the need to reseal bags, or re-sterilize any leftover tubes.

Most large volume centrifuge tubes come in packs of 6-8 tubes. Any remaining unused tubes in these pack may be exposed to potential contaminants and may require re-sterilization before use.



Balanced Twin Pack



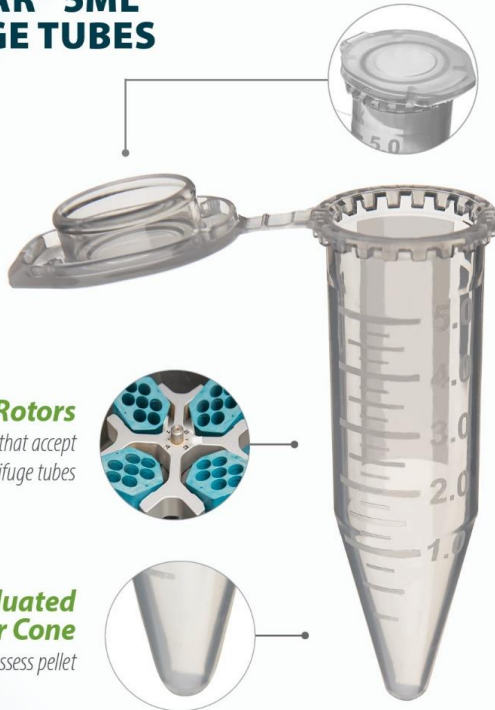
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# CENTRIFUGATION

SuperClear® 5mL Centrifuge Tubes

## SUPERCLEAR® 5ML CENTRIFUGE TUBES



### Syringe-Pierceable Snap Cap

Provides a leakproof seal & allows through-cap injection

### Castellated Top

Reduces tube weight & resin use while maintaining strength

### Graduations & Writing Panel

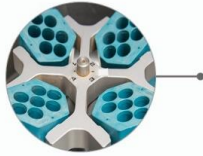
Easy-to-read, accurate, & molded in place to ensure they won't rub off

### Pure Resins

Medical grade FDA compliant CFR21 resin

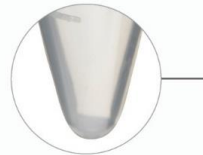
### Fits 15 mL Tube Rotors

Fits all standard centrifuges that accept 15 mL conical centrifuge tubes



### Graduated Concentrator Cone

Helps you visually assess pellet

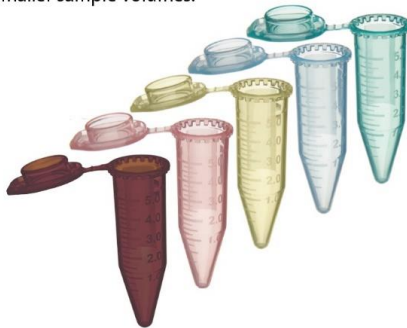


Not shown to scale

## 5mL SuperClear® Tubes

5mL SuperClear snap cap centrifuge tubes are an efficient alternative to 15mL tubes. Designed to fit the same rotors as our 15mL centrifuge tubes, you can use these tubes in procedures that require smaller sample volumes.

SuperClear® tubes are designed with ergonomic caps and ultra-smooth interior surfaces with reduced retention characteristics. They feature a side writing surface and an extra thick and durable wall that can withstand centrifugation to 25,000 x G, more than twice the speed of some other brands.



**MATERIAL** 100% Virgin Polypropylene

**GRADE** Medical

**RATING** USP Class VI

**APPROVED USES** Medical, Research, Industrial, Food & Beverage

SuperClear® 5mL centrifuge tubes fit into our tube racks (item# 2715) featured on page 104

