



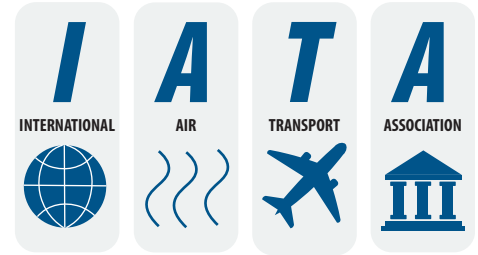
TRANSPORT & SHIPPING

FOR MORE INFORMATION:
labcon.com/transport.html

For critical sample transport and collection

IATA 95kPa tested and certified

International and domestic carriers require adherence to strict legal and performance standards for shipment of biological materials.



Transport tubes certified to the rigorous IATA 95kPa standard ensures leak-proof shipping under the differential pressure and extreme temperature shift conditions seen in air cargo transport. This certification requires containers to prove capable of withstanding, without leakage, a pressure differential of not less than 95 kPa (0.95 bar, 13.8 psi) from -40° C to +50° C.

Since air transportation is typically the most rigorous transport condition, containers that meet IATA regulations will also meet the requirements of other transport methods.

✓ 95kPa certified for safe & secure transportation

Meets legal requirements for IATA/ U.S.DOT/UN3373 air & ground shipping

✓ Leakproof sealing for assured safety

Airtight and leakproof under differential pressure & extreme temperature shifts

✓ Validated Sterility

Sterile tubes have a 10^{-6} SAL, as required for diagnostic & medical assays



ProtectR®

CO₂ Resistant Storage & Transport Tubes

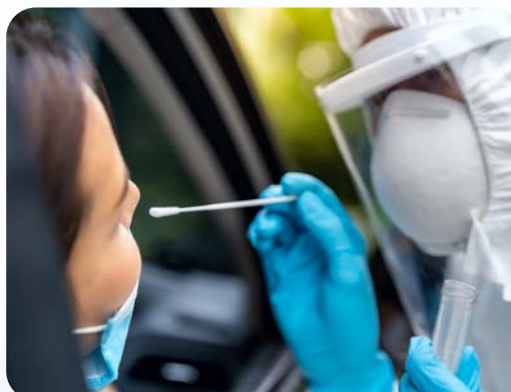
Unique CO₂-excluding tubes keep pH stable when shipping or storing samples on dry ice. Our ProtectR® tubes let you reliably ship samples on dry ice without acidification.




SuperClear®

Specimen Collection & Transport Tubes

Leakproof tubes comply with domestic and international regulations for the safe transport of infectious and biological substances. Our SuperClear® mailing and transport tubes give you an assured leakproof seal when shipping viral samples.





PROTECTR® TUBES

Gas-Tight Cap

Novel elastomer protects samples in dry ice from CO₂ exposure that can drop the pH of the sample and cause acidification



Grid-Style Writing Panel

Patented, smudge-resistant large writing panel for sample identification



Primary or Secondary Vessel

Ideal vessel for primary and secondary containment when shipping on dry ice



Certified to IATA/U.S. DOT/UN3373 Standards

Tested and certified to meet the requirements for all domestic & international ground & air transport

IATA
95
kPa

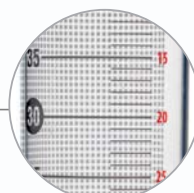
Freezable

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



Graduations

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



Samples in ProtectR® tubes should be frozen prior to dry ice exposure

15 mL

50 mL

ProtectR® Tubes For Shipping On Dry Ice

Samples of proteins, other biological molecules, and cell cultures are commonly shipped and stored on dry ice, putting them at risk of acidification by up to 2.5 pH units. In standard centrifuge tubes, CO₂ vapor from dry ice enters the tube headspace and causes a significant drop in the pH of the sample. ProtectR® tubes conform to all biological sample shipping requirements and in addition are engineered to be CO₂ resistant and stop costly damage to molecular and cellular solutions when using dry ice. With their airtight, leakproof secure seal, ProtectR® tubes ensure consistent sample integrity and protein activity across experiments. Even if samples are delayed during shipping, they will not become compromised, saving time and money.

Most international and domestic carriers now require adherence to the IATA standards for all biological substance shipments. IATA 95 kPa certification ensures containers are leak-resistant under differential pressure and extreme temperature conditions such as in air transport.

MATERIAL Proprietary Polypropylene

GRADE Medical

RATING USP Class VI

APPROVED USES Medical, Research, Industrial, Food & Beverage

COLORS Clear tube/green cap

- **Certified for shipping**
- **Protects samples shipped on dry ice**
- **Keeps pH stable**
- **Airtight & CO₂ Resistant**

Packaging Options



IntegraPack®





TRANSPORT & SHIPPING

71

ProtectR® CO₂ Resistant Tubes for Shipping on Dry Ice



15 mL ProtectR® Tubes | Inside diameter: 15mm | Outside diameter: 17mm

Cap Style	Item #	Packaging	Sterile	Qty/Pk	Qty/Cs
	3830-320-000-9	IntegraPack®		50 tubes (5 IntegraPacks®)	100 tubes (10 IntegraPacks®)
	3830-325-000-9	IntegraPack®	✓	50 tubes (5 IntegraPacks®)	100 tubes (10 IntegraPacks®)

Air-tight flat caps with sealing ring



50 mL ProtectR® Tubes | Inside diameter: 25mm | Outside diameter: 29mm

Cap Style	Item #	Packaging	Sterile	Qty/Pk	Qty/Cs
	3880-320-000-9	10 tubes per IntegraPack®		50 tubes (5 IntegraPacks®)	100 tubes (10 IntegraPacks®)
	3880-325-000-9	10 tubes per IntegraPack®	✓	50 tubes (5 IntegraPacks®)	100 tubes (10 IntegraPacks®)

Air-tight flat caps with sealing ring





SUPERCLEAR® SPECIMEN COLLECTION & TRANSPORT TUBES

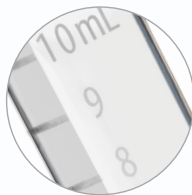


Certified to IATA/U.S. DOT/ UN3373 Standards

Tested and certified to meet the requirements for all domestic & international ground & air transport

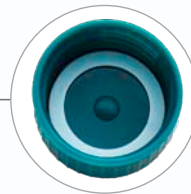
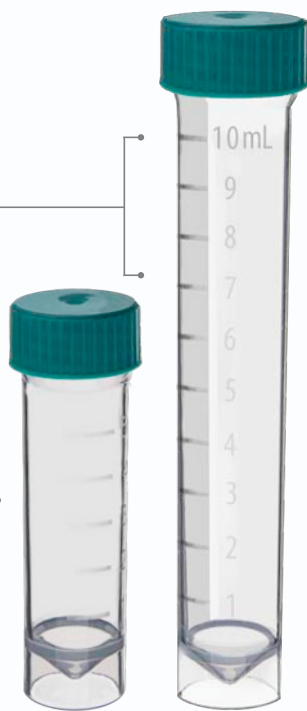
Graduations & Writing Surface

Easy-to-read graduations at 1 mL & frosted writing surface



Optically Clear Resin

Without additives or extractables that can interfere with assay results



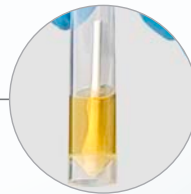
Leakproof Seal

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



Complete Safety In Specimen Shipment

Designed for secure shipment of viral transport media & biological samples



Freestanding Base

Flat bottom conical tube reduces the risk of biohazardous spills, enables centrifugation, & securely holds swabs

SuperClear® Specimen Collection & Transport Tubes

SuperClear® Specimen Collection and Transport Tubes provide certified safety when storing and shipping biological material. These leakproof freestanding tubes meet the IATA and U.S. DOT 95kPa performance specifications legally required when shipping samples by ground or air. This ensures transport tubes are leakproof under differential pressure conditions and extreme temperature shifts as outlined in IATA DGR UN3373 and U.S. DOT HMR, 49 C.F.R., Parts 171-180.

Made from 100% virgin USP Class-VI medical grade resins, SuperClear® Specimen Collection and Transport Tubes are suitable for use in medical, diagnostic and research labs and are certified contamination-free as mandated by the U.S. CDC.

These certified sterile tubes have a Sterility Assurance Level (SAL) of 10^{-6} , as required for diagnostic assays.

MATERIAL	Proprietary Polypropylene
GRADE	Medical
RATING	USP Class VI
APPROVED USES	Medical, Research, Industrial, Food & Beverage

Packaging Options




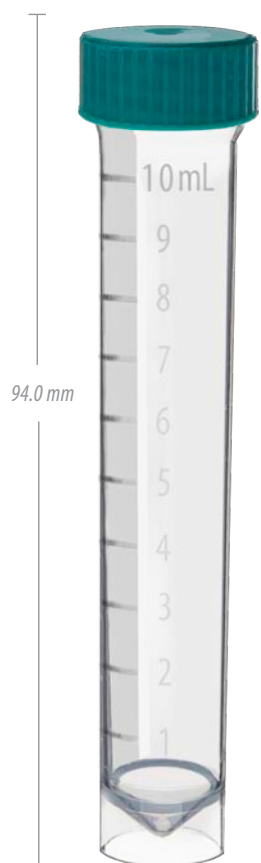
Individually
Wrapped


Bag

Bulk

**5 mL SuperClear® Specimen Collection & Transport Tubes**

Cap Style	Item #	Packaging	Sterile	Qty/Pk	Qty/Cs
 <i>Leakproof flat cap with sealing ring</i>	3813-165-008-9	Individually Wrapped	✓	1	100
	3813-340-008-9	Bag (50 tubes/bag)		50	500
	3813-345-008-9	Bag (50 tubes/bag)	✓	50	500
	3813-870-008-9	Bulk (500 tubes/bag)		500	1000
	3813-875-008-9	Bulk (500 tubes/bag)	✓	500	1000

**10 mL SuperClear® Specimen Collection & Transport Tubes**

Cap Style	Item #	Packaging	Sterile	Qty/Pk	Qty/Cs
 <i>Leakproof flat cap with sealing ring</i>	3814-165-008-9	Individually Wrapped	✓	1	100
	3814-340-008-9	Bag (50 tubes/bag)		50	500
	3814-345-008-9	Bag (50 tubes/bag)	✓	50	500
	3814-870-008-9	Bulk (500 tubes/bag)		500	1000
	3814-875-008-9	Bulk (500 tubes/bag)	✓	500	1000

