



Thermo Scientific polypropylene containers

Versatile solutions for food processing
and safety, environmental sampling,
and other general applications

Specialized, food-grade polypropylene containers

Thermo Scientific™ polypropylene containers feature a triple-seal design that is airtight and leak-resistant for sample collection, storage, packaging, or transport and a proprietary, integrated flip-top lid that allows for opening and closing with one hand.

Containers are available in a variety of sizes, seal types, and colors to help meet the requirements of your application.

Leak-resistant and airtight:

- Triple seal design for leak-resistant transport
- Cured in the mold process for airtight seal

Permanent, hinged flip-top lids:

- Single-hand operation allows ease of use, convenience, and efficiency
- Helps eliminate risk of cross-contamination or misplacement of lids

Food-grade polypropylene:

- Compliant with 21 CFR 177.1520
- Containers are molded from 100% virgin resin; regrind is never used

Available in a myriad of colors:

- Easily identify samples
- Color-code samples, supplies, or testing phases



Closure styles

Easy handling solutions

Standard seal

Standard flip-top seals are designed for easy, single-handed operation and are an excellent option for a wide range of collection, packaging, and storage applications.



Lock seal (LS)

Based on the standard seal design, the lock seal adds additional security with a locking tab on the cap and vial to prevent accidental opening during handling and transport.



Tamper-evident (TE)

Tamper-evident vials are closed during the molding process and sealed using a plastic filament. The integrity of the filament provides visual evidence of potential tampering, and helps ensure the container is free of contamination.



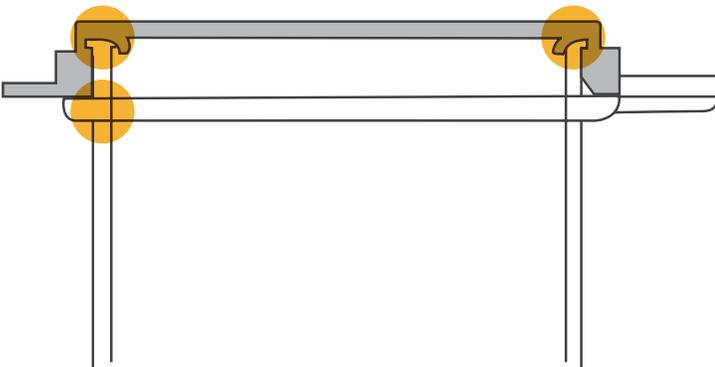
Chain of custody (CC)

The chain of custody closure includes a tamper-evident seal and a one-way, irreversible chain lock that secures the container once closed. These features provide container security from manufacture to sample collection and retrieval.



Triple-seal design

Patented triple-seal design combines structural interference and shrinkage for the integrity of its leak-resistant seal—preventing fluids from entering or exiting the container.



Featured applications

Dairy and veterinary

Thermo Scientific™ flip-top polypropylene containers meet industry standards for collecting milk samples for food safety and animal health applications.

About:

- Thermo Fisher Scientific is a US FDA–certified manufacturer of single-service containers for milk and milk products
- The production facility for milk containers complies with Appendix J of the Grade “A” Pasteurized Milk Ordinance (Grade “A” PMO)

Features:

- Vials are closed during the molding process to help ensure they are airtight and leak-resistant
- Permanently hinged cap enables single-hand operation and helps reduce the risk of misplacement or cross-contamination
- Manufactured from a translucent polypropylene resin for easy sample visibility
- Containers are available in volumes ranging from 12 to 300 mL to accommodate a variety of sampling requirements

Water testing

Features:

- Sterile, high-clarity polypropylene
- Available with a 10 mg sodium thiosulfate ($\text{Na}_2\text{S}_2\text{O}_3$) tablet for sample dechlorination, or without a tablet for unchlorinated water sources
- Molded with a 100 mL fill line and has one inch of head space to facilitate mixing
- Integrated tamper-evident, chain of custody, and locking seals to help ensure container security before and after sample collection



General packaging and storage solutions

We offer a wide range of containers for general packaging and storage needs.

- Economical storage for a variety of material types
- 100% polypropylene
- Permanent hinge lid
- Leak-resistant, airtight
- Available in 4 closure styles and 20 different color configurations
- Vials are shoulderless and linerless



Additional applications

Buffer solution preparations

Chain of custody transport

Classroom and experiment organization

Confectionary packaging

Cosmetic product packaging

Dairy testing

Environmental sampling

Fishing supplies

Food and beverage testing

Food packaging

Household product packaging

Insect/fruit fly storage

Office supply storage

Paint samples

Quality control sample collection

Reagent packaging

Sludge sampling

Small parts storage

Travel containers

Trial size packaging

Urine collection and transport

Veterinary sampling

Vitamin storage

Water testing

Lab solutions help provide sample integrity

Thermo Scientific flip-top polypropylene containers

- An excellent option for the collection, transport, storage, or packaging of a wide range of liquids and solids
- Virgin, food-grade polypropylene
- Airtight and leak-resistant construction with permanent hinge lid
- Available in a variety of colors
- Shoulderless, linerless containers

Recommended for:

Dairy testing, food and beverage sample collection, veterinary applications, environmental sampling, water testing, general packaging, and storage.

Cornell vial

Description	CNLL500	CNLL2000
Capacity	~0.4 oz (11 mL)	~0.4 oz (11 mL)
ID	18 mm	18 mm
Height	53 mm	53 mm
Packaging	500 per case	2,000 per case
Closure	Standard seal	Standard seal



Vet vial

Description	VETHC500*	VETHC1500*	VETLSCL
Capacity	~0.4 oz (12 mL)	~0.4 oz (12 mL)	~0.4 oz (12 mL)
ID	14 mm	14 mm	14 mm
Height	95 mm	95 mm	95 mm
Packaging	500 per case	1,500 per case	1,500 per case
Closure	Standard seal	Standard seal	Lock seal



* High-clarity vial.

1.5 oz vial

Description	02CL	02LS	02CC*
Capacity	1.5 oz (~45 mL)	1.5 oz (~45 mL)	1.5 oz (~45 mL)
ID	28 mm	28 mm	28 mm
Height	84 mm	84 mm	84 mm
Packaging	600 per case	600 per case	600 per case
Closure	Standard seal	Lock seal	Chain of custody



* High-clarity vial.

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2.5 oz

Description	2.5CL
Capacity	2.5 oz (~75 mL)
ID	50 mm
Height	50 mm
Packaging	400 per case
Closure	Standard seal



3.0 oz

Description	03CL	0385
Capacity	3.0 oz (~90 mL)	3.0 oz (~90 mL)
ID	33 mm	33 mm
Height	95 mm	95 mm
Packaging	400 per case	400 per case
Closure	Standard seal	Skirt top



4.0 oz water vial

Description	04HP83HCPL (with sodium thiosulfate pill)*	04HP83HCNP (with no pill)*
Capacity	4.0 oz (~120 mL)	4.0 oz (~120 mL)
ID	43 mm	43 mm
Height	95 mm	95 mm
Packaging	200 per case	200 per case
Closure	Lock seal, tamper-evident, chain of custody	Lock seal, tamper-evident, chain of custody



* High-clarity vial, sterile.

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4.0 oz (High profile)

Description	04HP	04HPLS
Capacity	4.0 oz (~120 mL)	4.0 oz (~120 mL)
ID	43 mm	43 mm
Height	90 mm	90 mm
Packaging	250 per case	250 per case
Closure	Standard seal	Lock seal



4.0 oz (Low profile)

Description	04LP	04LPLS
Capacity	4.0 oz (~120 mL)	4.0 oz (~120 mL)
ID	63 mm	63 mm
Height	50 mm	50 mm
Packaging	250 per case	250 per case
Closure	Standard	Lock seal



5.0 oz

Description	05WIDE
Capacity	5.0 oz (~150 mL)
ID	62 mm
Height	70 mm
Packaging	175 per case
Closure	Lock seal and tamper-evident



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8.0 oz

Description	08CL	08LS
Capacity	8.0 oz (~240 mL)	8.0 oz (~240 mL)
ID	75 mm	75 mm
Height	75 mm	75 mm
Packaging	150 per case	140 per case
Closure	Standard seal	Lock seal



10.0 oz

Description	10LSCL	10CCCL*
Capacity	10.0 oz (~300 mL)	10.0 oz (~300 mL)
ID	62 mm	62 mm
Height	113 mm	120 mm
Packaging	100 per case	100 per case
Closure	Lock seal	Chain of custody



* High-clarity vial.

Thermo Scientific snap-cap polypropylene containers

- Virgin, food-grade polypropylene
- Snap cap with tight fit secures container
- Translucent vial sample visibility
- Intended for general laboratory use, including sample collection, organization, and storage



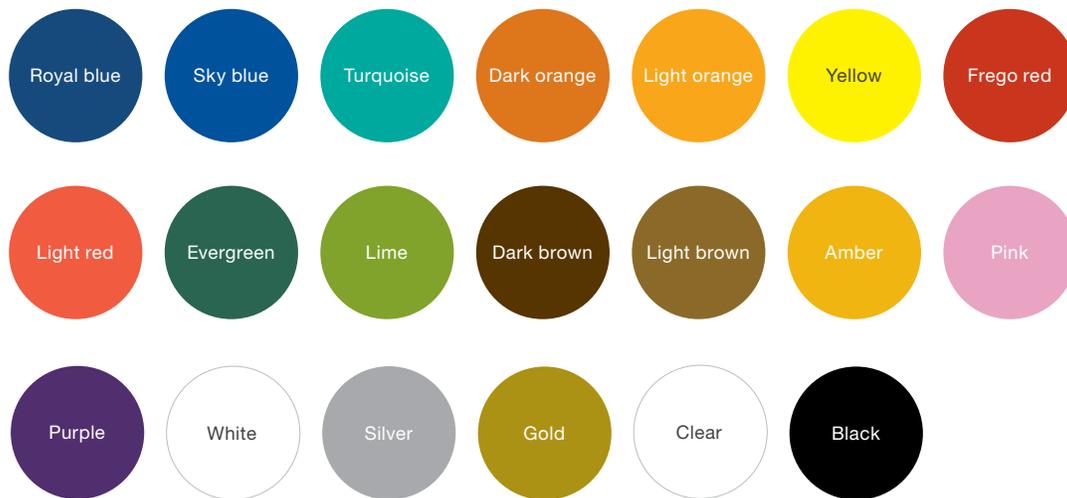
2-piece vial

Description	LI02	LICAP2500
Capacity	~1.35 oz (40 mL)	–
ID	28 mm	–
Height	80 mm	–
Color	Natural	White
Packaging	500 per case	2,500 per case
Closure	Container	Snap caps



Color options

Thermo Scientific polypropylene containers are available in 20 colors and may be subject to minimum order requirements. To order any vial in a specific color, please contact customer service at 1-800-625-4327.





Learn more at thermofisher.com/flitopcontainers

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