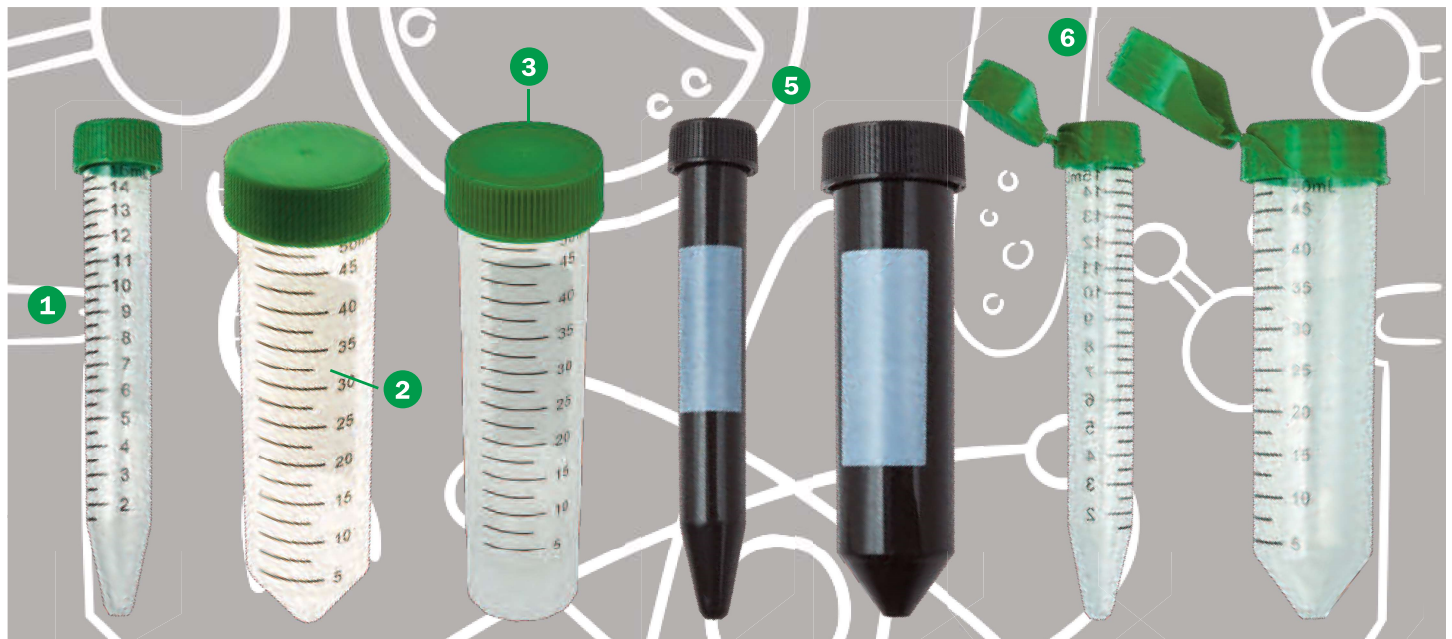


Centrifuge Tubes



Centrifuge Tubes are available with a variety of special features and packaging options. Please refer to the Centrifuge Tube Selection Guide below and pages 4 - 8 for additional information on tube options.

- Temperature range of -80°C to 120°C (polypropylene only)

- 1 Graduations are printed in bold easy-to-read black ink and are accurate to +/- 2%
- 2 Large white marking area provides excellent contrast for identification
- 3 Easy to write on flat surface polyethylene (HDPE) caps feature integrated leak-proof seal
- 4 Tubes include graduations molded into the conical bottom, ideal for pellet viewing and small volume quantification
- 5 Black Centrifuge Tubes protect light sensitive compounds and eliminate the need to wrap tubes with aluminum foil
- 6 Ergonomic flip top cap is designed for single handed operation



Centrifuge Tube Selection Guide

Options listed below are for sterile, conical bottom, polypropylene centrifuge tubes unless otherwise noted.

TUBE DESCRIPTION	15mL				50mL			
	Bag	Paper Rack	Foam Rack	Plastic Rack	Bag	Paper Rack	Foam Rack	Plastic Rack
Flat Top Screw Cap (pages 6 - 7)	229411	229410	229412	229418	229421	229420	229422	229428
Flip Top Cap (page 6)	229417	229416			229427	229426		
Sure Cap (page 8)	229401				229402			
Vented (Bio-Reaction) Cap (page 4)	229471		229472		229475		229476	
Vented (Bio-Reaction) Cap - Self-Standing (page 4)					229479			
Polystyrene (Sure Cap only) (page 8)	229491							
Black Opaque (page 6)	229431 229432				229433 229434			
Self-Standing (page 6)					229430			

Additional options available for non-sterile centrifuge tubes, see page 6.

Centrifuge Tubes - Bag



- Convenient zip-closure bag is a practical alternative to folding and taping opened bags
- Available in 15 & 50mL Conical Bottom, 50mL Self-Standing, 15 & 50mL Flip Top and 15 & 50mL Black tube options
- Easily refill reusable racks with tubes packed in bags

CENTRIFUGE TUBES - BAG

S, R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229411	15mL Centrifuge Tube	25/Re-sealable Bag	500	Y	12000
229421	50mL Centrifuge Tube	25/Re-sealable Bag	500	Y	16000
229430	50mL Centrifuge Tube - Self-Standing	25/Re-sealable Bag	500	Y	6000

FLIP TOP CENTRIFUGE TUBES - BAG

S, R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229417	15mL Centrifuge Tube, Flip Top Cap	25/Re-sealable Bag	500	Y	9400
229427	50mL Centrifuge Tube, Flip Top Cap	25/Re-sealable Bag	500	Y	9400
229425	50mL Centrifuge Tube, Flip Top Cap Only	25/Re-sealable Bag	1000	Y	NA

BLACK CENTRIFUGE TUBES - BAG

S, R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229431	15mL Centrifuge Tube, Black	25/Re-sealable Bag	100	Y	12000
229432	15mL Centrifuge Tube, Black	25/Re-sealable Bag	500	Y	12000
229433	50mL Centrifuge Tube, Black	25/Re-sealable Bag	100	Y	16000
229434	50mL Centrifuge Tube, Black	25/Re-sealable Bag	500	Y	16000

CAP OR TUBE ONLY CENTRIFUGE TUBES - BAG

N, R/D F, NP, USP, PP

Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229450	TUBE ONLY, 15mL Centrifuge Tube	500/Bag	500	N	12000
229451	CAP ONLY, 15mL Centrifuge Tube	500/Bag	500	N	NA
229452	TUBE & CAP, 15mL Centrifuge Tube & Cap	Tubes 500/Bag & Caps 500/Bag	500	N	12000
229453	CAP ONLY, 50mL Centrifuge Tube	500/Bag	500	N	NA
229454	TUBE ONLY, 50mL Centrifuge Tube	500/Bag	500	N	16000
229456	TUBE & CAP, 50mL Centrifuge Tube & Cap	Tubes 500/Bag & Caps 500/Bag	500	N	16000

Centrifuge Tubes - Foam Rack

- Sturdy alternative to disposable paperboard racks
- Also available with printed marking spot and pre-numbered caps



CENTRIFUGE TUBES - FOAM RACK

S, R/D F, NP, A, PP

Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229412	15mL Centrifuge Tube	50/Foam Rack	300	Y	12000
229422	50mL Centrifuge Tube	25/Foam Rack	300	Y	16000
229423	50mL Centrifuge Tube, Marking Spot Cap	25/Foam Rack	300	Y	16000
229424	50mL Centrifuge Tube, Numbered Cap	25/Foam Rack	300	Y	16000

Centrifuge Tubes - Plastic Rack



▲ Reusable/Recyclable Racks also available for purchase separately (PN 229419 & 229429)

- Plastic Racks are manufactured from polypropylene and are autoclavable, reusable and recyclable
- Chemically resistant
- Design of the tray prevents racks from sticking/freezing to surfaces
- Widely spaced design catches drips and allows tubes to be retrieved more easily

CENTRIFUGE TUBES - PLASTIC RACK

R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229418	15mL Centrifuge Tube	25/Plastic Rack with 2 Racks/Bag	300	Y	12000
229428	50mL Centrifuge Tube	25/Plastic Rack	300	Y	16000
229419	PLASTIC RACK ONLY, 15mL Centrifuge Tube	5/Bag	5	N	NA
229429	PLASTIC RACK ONLY, 50mL Centrifuge Tube	5/Bag	5	N	NA

Centrifuge Tubes - Paperboard Rack

- Recyclable alternative to disposable foam rack
- Available in 15 & 50mL Conical Bottom and 15 & 50mL Flip Top tube options
- Folds flat for disposal or recycling



CENTRIFUGE TUBES - PAPERBOARD RACK

R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/ Case	Sterile (Y/N)	Max Force (RCF) g
229410	15mL Centrifuge Tube	25/Paperboard Rack with 2 Racks/Bag	500	Y	12000
229420	50mL Centrifuge Tube	25/Paperboard Rack	500	Y	16000
229455	50mL Centrifuge Tube	25/Paperboard Rack	500	N	16000

FLIP TOP CENTRIFUGE TUBES - PAPERBOARD RACK

S, R/D F, NP, USP, A, PP

229416	15mL Centrifuge Tube, Flip Top Cap	25/Paperboard Rack with 2 Racks/Bag	500	Y	9400
229426	50mL Centrifuge Tube, Flip Top Cap	25/Paperboard Rack	500	Y	9400

NEW! Sure Cap Centrifuge Tubes

SURE CAP - POLYPROPYLENE & POLYSTYRENE TUBES

- Sure Cap with compressible liner creates a stable seal
- Available in 15 & 50mL **polypropylene** and 15mL **polystyrene** tube
- Polypropylene tubes have same great features as standard tube offering (see page 5)

SURE CAP - POLYSTYRENE TUBES

- Polystyrene tube is optically clear for easy viewing of sample
- Includes molded 15mL graduation line plus 0.5 and 1mL graduations molded into conical bottom allowing for small volume quantification



15mL polystyrene centrifuge tube now available



SURE CAP CENTRIFUGE TUBES - POLYPROPYLENE

S, A, PP

Part No.	Product Description	Pack Description	Qty/Case	Max Force (RCF) g
229401	15mL Centrifuge Tube, Sure Cap	25/Re-sealable Bag	500	12000
229402	50mL Centrifuge Tube, Sure Cap	25/Re-sealable Bag	300	16000

SURE CAP CENTRIFUGE TUBES - POLYSTYRENE

S, PS

Part No.	Product Description	Pack Description	Qty/Case	Max Force (RCF) g
229491	15mL Centrifuge Tube, Sure Cap	25/Re-sealable Bag	500	3000

Micro Centrifuge Tubes



- All tubes have a frosted marking spot and engraved graduations
- Attached flat top cap is easy to open and close with one hand
- Temperature range of -80°C to 120°C
- 1.5mL opaque black tube protects light sensitive compounds

MICRO CENTRIFUGE TUBES

R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case	Sterile (Y/N)	Max Force (RCF)g
229440	0.5mL Micro Centrifuge Tube	1000/Re-sealable Bag	5000	Y	20000
229441	1.5mL Micro Centrifuge Tube	500/Re-sealable Bag	1000	N	20000
229442	1.5mL Micro Centrifuge Tube	500/Re-sealable Bag	1000	Y	20000
229443	1.5mL Micro Centrifuge Tube	1000/Re-sealable Bag	5000	Y	20000
229437	1.5mL Micro Centrifuge Tube, Black	500/Re-sealable Bag	1000	Y	20000
229446	2.0mL Micro Centrifuge Tube	1000/Re-sealable Bag	5000	Y	20000
229448	2.0mL Micro Centrifuge Tube, Self-Standing	500/Re-sealable Bag	5000	N	15000

5mL Macro Centrifuge Tubes

- Offers the convenience of a micro centrifuge tube with the ability to process sample volumes up to 5mL
- Tube diameter and shape is the same as a standard 15mL conical bottom centrifuge tube enabling use with existing equipment
- All tubes have frosted marking spot and engraved graduations
- Attached flat top cap is easy to open and close with one hand
- Center of the cap includes a thin “membrane” area designed for easy puncture and access by a syringe/needle
- Temperature range of -86°C to 80°C
- Opaque black tube protects light sensitive compounds



5ML MACRO CENTRIFUGE TUBES

R/D F, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case	Sterile (Y/N)	Max Force (RCF)g
229439	5mL Macro Centrifuge Tube, Black	100/Re-sealable Bag	100	N	25000
229449	5mL Macro Centrifuge Tube	20/Re-sealable Bag	100	Y	25000

Large Volume Centrifuge Tubes

- For applications requiring large volume centrifugation
- Tubes include molded graduation lines
- Polyethylene (HDPE) cap with integral plug seal provides a secure closure
- Temperature range of -80°C to 120°C
- To support tube during centrifugation, use of a rotor cushion is required



LARGE VOLUME CENTRIFUGE TUBES

S, R/D F, NP, USP, A, PP

Part No.	Product Description	Pack Description	Qty/Case	Max Force (RCF) g
229465	225mL Conical Bottom Centrifuge Tube	6/Re-sealable Bag	48	7500
229466	250mL Conical Bottom Centrifuge Tube	6/Re-sealable Bag	48	7500

Oak Ridge Style Centrifuge Tubes



- High speed tubes feature a round bottom and uniform wall thickness
- Tubes are economical and leak-proof for refrigerated or standard centrifugation
- For proper performance, 80% of total capacity must be filled

OAK RIDGE STYLE CENTRIFUGE TUBES

N, USP, A, PP

Part No.	Product Description	Qty/Case	Max Force (RCF) g
229460	10mL Oak Ridge Style Centrifuge Tube, Round Bottom	12	50000
229461	30mL Oak Ridge Style Centrifuge Tube, Round Bottom	12	50000
229462	50mL Oak Ridge Style Centrifuge Tube, Round Bottom	12	50000