

Micro-Titertube Rack System for Robotic Work-Station

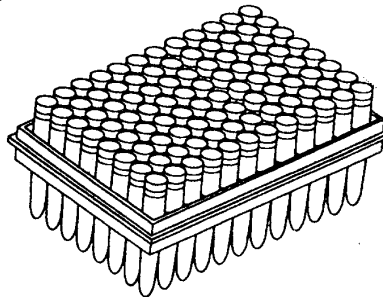
96 Micro-Titertubes (8.8 × 45mm) in the convenient micro-titer format (8 × 12) in robotic compatible racks. For use with all robotic workstations such as Beckman Biomek 1000, Tecan, Cetus/Propette and other dispensers/diluters with a 96 well plate footprint. They are ideal for large volume procedures involving direct transfer from microtiter plates to racked storage tubes. One-way lid design, coupled with easy to read alpha-numeric molded in grids on the rack and cover, provides easy sample identification. Condensation rings on the inside of the cover minimizes cross contamination.

Number	Description	Packaging	Price per pack, in quantities of:		
			1-10	11-30	31+
RC-845-TP	Polypropylene Tube, Natural	Tray-Pack, 960	15.83	14.46	13.03
RC-845-TPS	Polypropylene Tube, Natural	Tray-Pack, 960, Sterile	24.25	21.65	20.15
847	Plug Strips, Natural, LDPE	Bag of 960 (12 Strips of 8)	15.83	14.46	13.03
847-S	Plug Strips, Natural, LDPE, Sterile	Bag of 960 (12 Strips of 8)	24.25	21.65	20.15

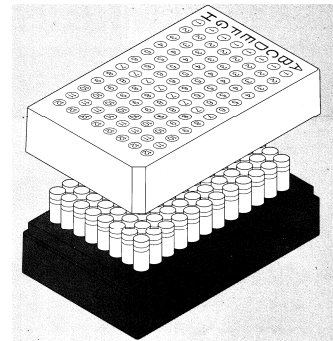
*Add "F" to catalog number for frosted writing areas for easy identification (no extra cost).



8.8 × 45 Culture Tube



Micro-Titertube Loading System



Micro-Titertube Robotic Work Station

Micro-Centrifuge Tubes, with Caps, Non-Graduated

Our standard micro-centrifuge tubes offer a combination of quality and features that result in superior tubes for the most discriminating applications.

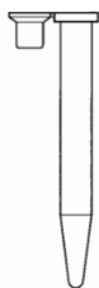
Features:

- Snap-seal closure provides a leak-tight seal
- Pierceable cap allows for sample recovery
- Non-wettable for complete sample recovery

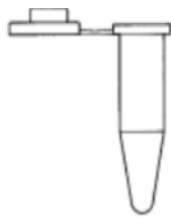
Number	Description	Tubes/pkg	Price per pack, in quantities of:			
			1-10	11-30	31-50	51+
500	0.4ml Tube with Indented Cap	1,000	25.32	23.25	20.87	19.83
502-PLN*	0.6ml Tube with Indented Cap	1,000	19.50	18.04	16.74	15.28
503	0.25ml Tube with Indented Cap, Polypropylene	1,000	25.32	23.56	20.87	19.83
504	0.25ml Tube with Indented Cap, LD Polyethylene	1,000	25.32	23.56	20.87	19.83
505**	1.5ml Tube with Indented Cap	500	10.47	9.26	8.61	8.13
505-S	1.5ml Tube with Indented Cap Single Wrap, Sterilized	250	15.21	12.84	12.58	11.38
505-FT	1.5ml Tube with Flat-Top Cap	500	10.47	9.26	8.61	8.13
505-FTS	1.5ml Tube with Flat-Top Cap Single Wrap, Sterilized	250	15.21	12.84	12.68	11.28

*Available in: R = Red, G = Green, Y = Yellow, O = Orange, V = Violet, A = Amber, B = Blue
 MXC = Mixed Colors - all colors (except amber) are mixed together in the bag. Inquire for pricing.

**Available in: R = Red, G = Green, Y = Yellow, O = Orange, V = Violet, B = Blue
 MXC = Mixed Colors - all colors are mixed together in the bag. Inquire for pricing.



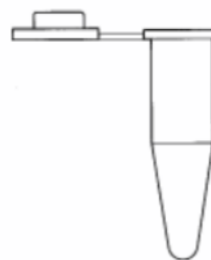
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502-PLN



503



505

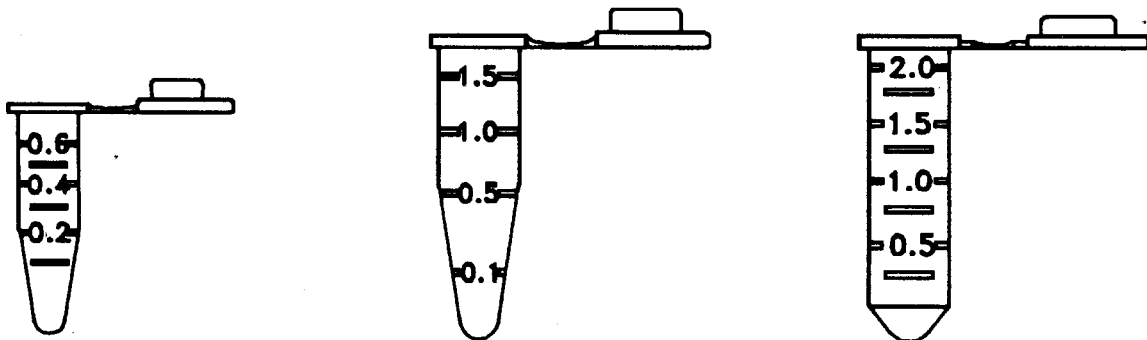
Micro-Centrifuge Tubes, with Flat Top Caps, Graduated

Number	Description	Tubes/Pack	Price per pack, in quantities of:			
			1-10	11-30	31-50	51+
502-GRD***	0.6ml Graduated Tube with Flat Top Cap Polypropylene Tube and Cap with Frosted Area, Natural	1,000	20.87	19.50	18.04	16.74
502-GRDS	0.6 ml Tube, Single Wrapped, Sterile	500	26.98	26.33	25.03	19.99
502-GRD-SC	0.6ml Graduated Tube with Flat Top Cap with Frosted Writing Area. Natural, Bagged, Low Adhesion.	500	14.95	13.65	12.77	11.80
C502-GRD-SC	0.6ml Graduated Tube with Flat Top Cap with Frosted Writing Area. Natural, Bagged, Low Adhesion. Certified RNase/DNase Free	500	32.50	30.88	28.67	26.65
508-GRD***	2.0ml Graduated Tube with Flat Top Cap. Polypropylene Tube and Cap with Frosted Writing Area, Natural	500	12.19	11.38	10.73	9.91
509-GRD***	1.5ml Graduated Polypropylene Tube with Flat Top Cap, with Frosted Writing Area, Natural.	500	12.19	11.05	10.34	8.94
509-GRD-SC-S	1.5ml Graduated Tube with Flat Top Cap with Frosted Writing Area, Natural, Single Wrap - Sterile, Low Adhesion.	250	15.21	12.97	12.58	11.38
509-GRD-SC	1.5ml Tube Siliconized	250	10.21	8.29	6.01	5.90

Each tube with frosted area on side for labeling. Manufactured from clarified polypropylene.

*** Available in: Natural, Red, Green, Yellow, Orange, Violet, Amber, Blue

MXC= Mixed Colors - all colors (except amber) are mixed together in the bag.



502-GRD

509-GRD

508-GRD

Micro-Centrifuge Tubes, with Safety Lock Cap, Graduated

These new Micro-Centrifuge tubes offer the same sample security as found with screw cap tubes yet maintain the same ease of use as snap cap tubes.

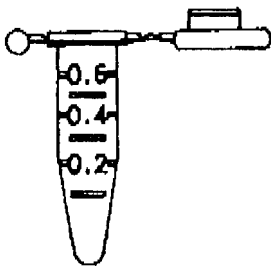
Features:

- Pierceable cap snaps closed locks easily and slips into place with a simple one-hand operation
- Smooth surfaces coupled with the larger, rounder design provide a cap that is less stressful to the thumb and lessens the possibility of ripped or punctured gloves
- Graduation marks at 0.1ml increments up to 1.6ml for quick reference
- Frosted writing surfaces on the side of the tube and top of the cap are ideal for sample identification
- Manufactured of ultra clear, autoclavable, polypropylene for optimum viewing of the contents

Number	Description	Tubes/Pack	Price per pack, in quantities of:			
			1-10	11-30	31-50	51+
L-502-GRD	0.6ml Graduated Tube with Locking Cap with Frosted Writing Area, Natural	1000	22.17	20.87	19.50	18.04
L-502-GRDS	0.6ml Graduated Tube with Locking Cap with Frosted Writing Area. Natural, Single Wrap, Sterile	500	30.88	28.93	27.63	21.94
L-508-GRD	2.0ml Graduated Tube with Locking Cap with Frosted Writing Area, Natural	500	14.30	13.33	12.03	11.02
L-508-GRDS***	2.0ml Graduated Tube with Locking Cap with Frosted Writing Area. Natural, Single Wrap, Sterile.	250	22.43	20.12	16.09	14.63
L-510-GRD**	1.5-1.7ml Graduated Tube with Locking Cap with Frosted Writing Area, Natural	500	12.19	11.02	10.27	9.72
L-510-GRDS	1.5-1.7ml Graduated Tube with Locking Cap with Frosted Writing Area. Natural, Single Wrap, Sterile	250	21.78	19.47	15.18	13.98

*** Available in: Natural, Blue, Red, Green, Yellow, Orange, Violet, Amber.

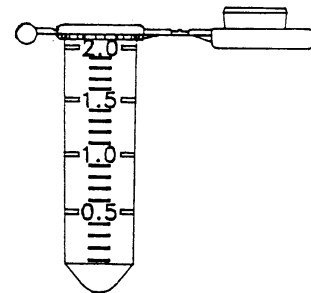
MXC = Mixed Colors - all colors (except amber) are mixed together in the bag. Inquire for pricing.



L-502-GRD



L-510-GRD



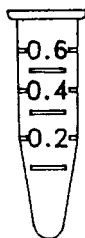
L-508-GRD

Micro-Centrifuge Tubes without Caps

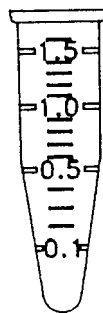
Number	Description	Tubes/Pack	Price per pack, in quantities of:			
			1-10	11-30	31-50	51+
501	0.4ml Tube, Natural, Bagged	1,000	23.44	21.83	19.54	18.39
NC-502-GRD	0.6ml Graduated Polypropylene Tube, Natural, Bagged	1,000	20.74	19.32	17.28	16.26
NC-508-GRD	2.0ml Graduated Polypropylene Tube, Natural, Bagged	1,000	30.66	28.55	25.55	24.04
NC-509-GRD	1.5ml Graduated Polypropylene Tube, Natural, Bagged	1,000	23.80	22.17	19.84	18.67
506	Plug Caps for 1.5ml Tube, Bagged	1,000	10.82	10.08	9.00	8.45



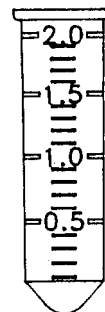
501



NC-502-GRD



NC-509-GRD



NC-508-GRD

Micro-Centrifuge, Screw Cap, Cryo-Tubes

Number	Description	Price per pack, in quantities of:		
		1-5	6-10	11 plus
Conical Tubes (500 Tubes and Caps/pack)				
511++	0.5ml Tube without Cap	17.49	15.30	14.35
511-SC	0.5ml Tube without Cap, "Siliconized"	19.50	17.23	13.98
512	0.5ml Tube, Cap and O-ring	50.70	47.78	44.20
512-S	0.5ml Tube, Cap and O-ring, assembled, Sterile	69.55	60.45	50.70
513	1.5ml Tube and Cap, without O-ring	55.25	32.50	28.08
514++	1.5ml Tube without Cap	17.49	15.60	14.33
515	1.5ml Tube, Cap and O-ring	50.70	47.78	44.20
515-S	1.5ml Tube, Cap and O-ring, assembled, Sterile	69.55	60.45	50.70
521++	2.0ml Tube without Cap	16.23	15.04	14.33
Free-Standing Tubes (500 Tubes and Caps/pack)				
516++	0.5ml Free-standing Tube, without Cap	17.49	15.67	14.33
517	0.5ml Free-standing Tube, Cap and O-ring	50.70	47.78	44.20
517-S	0.5ml Free-standing Tube, Cap and O-ring assembled, Sterile	69.55	60.78	50.70
527	1.5ml Free-standing Tube and Cap, without O-ring	35.88	32.50	28.08
528++	1.5ml Free-standing Tube without Cap	17.49	15.60	14.33
529	1.5ml Free-standing Tube, Cap and O-ring	50.70	47.78	44.20
529-S	1.5ml Free-standing Tube, Cap and O-ring, assembled, Sterile	69.55	60.78	50.70
518-GRD	2.0ml Free-standing, Graduated Tube & Cap, without O-ring	35.75	32.50	28.08
519-GRD++	2.0ml Free-standing, Graduated Tube, without Cap	16.23	15.67	14.33
520-GRD	2.0ml Free-standing, Graduated Tube & Cap, with O-ring	47.19	41.67	38.71
520-GRDS	2.0ml Free-standing, Graduated Tube and Cap, with O-ring, assembled, Sterile	69.55	60.78	50.70
Screw Caps (Bag of 500)				
524+	Screw Caps for Micro-centrifuge Tubes, without O-rings	17.49	15.67	14.33
525+	Screw Caps for Micro-centrifuge Tubes, with fitted O-rings	29.71	26.00	24.38

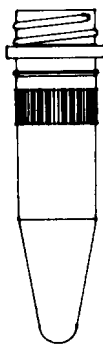
++ Available in: N = Natural or A = Amber for light sensitive samples

+ Available in: N = Natural, R = Red, G = Green, Y = Yellow, O = Orange, V = Violet, A = Amber, B = Blue
 MXC = Mixed Colors - all colors (except amber) are mixed together in the bag.

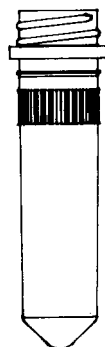
Z = Siliconized, for those applications where optimal yield and minimal sample loss are required.



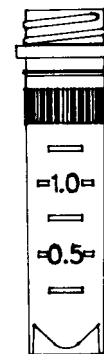
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513



521



518-GRD

Micro-Centrifuge, Thin Wall PCR Tubes

Manufactured of virgin polypropylene, our PCR tubes are designed for optimal fit in all thermal cyclers.

Features:

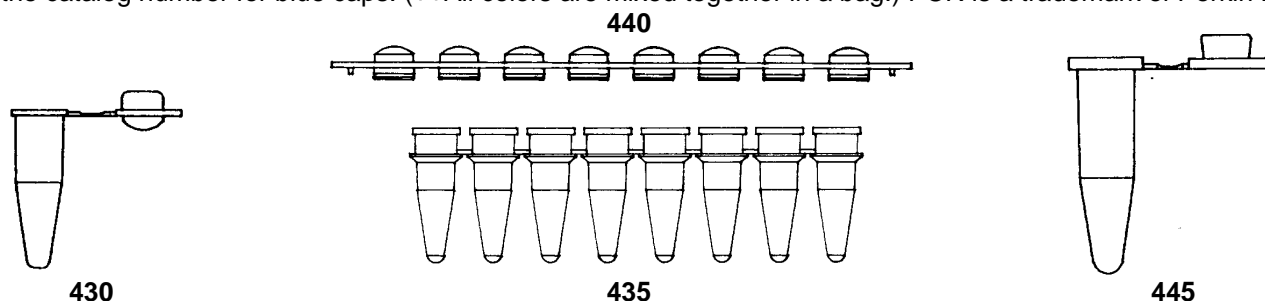
- The single tubes are ideal for those applications that use only a few tubes at a time
- The thin wall design accelerates heat transfer, providing shorter cycle times
- Tubes and dome caps are available in strips of 8 or 12 for easy and convenient loading into 8 × 12 format

Number	Description	Price per pack, in quantities of:		
		1-4	5-9	10 plus
430***	0.2ml Tubes, Natural, with attached Dome Cap for PCR, pkg/1000	74.75	68.25	55.25
430-MIXED++	0.2ml Tubes, Mixed Colors, with attached Dome Cap for PCR, pkg/1000	76.70	69.55	57.20
431***	0.2ml Tubes, Natural, with attached Flat Cap for PCR, pkg/1000	74.75	68.25	55.25
431-MIXED++	0.2ml Tubes, Mixed Colors, with attached Flat Cap for PCR, pkg/1000	76.70	69.55	57.20
432***	0.2ml Tubes, Capless, pkg/1000	47.45	39.00	35.10
432-MIXED++	0.2ml Tubes, Capless, Mixed Colors, pkg/1000	50.70	40.30	36.40
440***	0.2ml PCR Caps, 8 strip of caps. Domed Caps eliminate the need for mineral overlay when used in thermal cyclers with heated lids. Natural, Bagged, RNase, DNase-free.	17.42	14.37	12.29
445***	0.6ml Tubes, Natural with attached Flat-Top Caps, pkg/1000	33.15	29.90	24.54
445-MIXED++	0.6ml Tubes, Mixed Colors with attached Flat-Top Caps, pkg/1000	35.75	32.50	26.65

Strip Tubes and Dome Caps

435***	8 Strips of Tubes (thin wall). Allows multiple PCR reactions and ideal when using an 8 channel pipetter. Natural, Bagged, RNase, DNase-free.	87.10	82.55	66.30
435-MIXED++	0.2 ml Tubes, Capless, Mixed Colors, strips of 8 , 120 strips/pkg	88.40	84.50	68.25
440***	Dome Caps, Natural, for 435 Tubes, strips of 8 , 120 strips/pkg.	17.42	14.37	12.29
440-MIXED++	0.2ml PCR Caps, 8 strip of caps. Domed caps eliminate the need for mineral overlay when used in thermal cyclers with heated lids. Mixed, Bagged, RNase, DNase-free.	18.20	15.60	13.00
437***	12 Strips of Tubes (thin wall). Allows multiple PCR reactions and ideal when using a 12-channel pipetter. Natural, Bagged, RNase, DNase-free.	88.86	82.55	66.30
437-MIXED++	12 Strips of Tubes (thin wall). Allows multiple PCR reactions and ideal when using a 12 channel pipetter. Mixed, Bagged, RNase, DNase-free.	88.40	83.20	66.30
442***	0.2ml PCR Caps, 12 strip of caps. Domed caps eliminate the need for mineral overlay when used in thermal cyclers with heated lids. Natural, Bagged, RNase, DNase-free.	17.42	14.37	12.29
442-MIXED++	0.2ml PCR Caps, 12 strip of caps. Domed caps eliminate the need for mineral overlay when used in thermal cyclers with heated lids. Mixed, Bagged, RNase, DNase-free.	18.20	15.67	13.00

***All of these Tubes and Caps are available in R = Red, B = Blue, G = Green, Y = Yellow, O = Orange and V = Violet. Inquire for pricing. To order a specific color, add the letter to the end of the catalog number. For example, 440B is the catalog number for blue caps. (++)All colors are mixed together in a bag.) PCR is a trademark of Perkin Elmer.



Microtube Cutters, Pestles and Openers

Simplify your work by utilizing these time saving devices for your routine tasks in the lab.

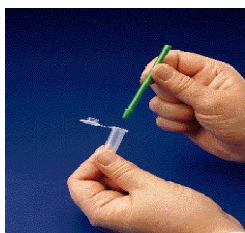


Microtube Cutter

The Microtube Cutter is a practical tool for the safe, easy removal of the tips from plastic micro tubes, and eliminates the hazards of using razor blades or knives. The cutter makes it easy to retrieve radioactive pellets from the tips of tubes without re-suspension or the risk of splashing radioactive substances.

Tube Opener

The double-ended Tube Opener easily opens micro-centrifuge tubes with one hand. One end opens standard 1.5, 2 and 2.2ml tubes and the forked end opens smaller sizes.



Pestle

Disposable polypropylene pestles are used to homogenize or resuspend precipitates such as protein or DNA pellets in buffer solutions or for grinding plant or other tissue samples. The pestles are 8.5cm (3-1/2") long and sold with 1.5ml microcentrifuge tubes that are the same shape as the pestle for a matched fit. Excellent for processing large numbers of samples

Number	Description	Price
210180000	Micro Tube Cutter, pack of 1	19.91
FPCR-01-RS#	Micro-Centrifuge Tube Opener, pack of 3	13.51
199230001	Polypropylene Pestles, pack of 10	45.92

Centrifuge Tubes, 15ml and 50ml with Plug Closures

Disposable with Conical Bottom, diameter 17 x 120mm (15ml). These tubes are chemically clean and uniform in size and shape. Graduations are at 0.25, 0.5, 1.0, 2.5, 5, 10, 12 and 15ml. Polystyrene tubes resist a centrifuge speed of 3,400rpm while polypropylene tubes resist speeds of up to 5,000rpm.

Number	Description	Tubes/Pack	Price per Case (1,000)
T408	15ml Centrifuge Tube only, clear polystyrene	100	131.22
T408-2	15ml Centrifuge Tube only, polypropylene	1,000 (bulk)	108.18

Moulded-in Graduated Conical Test Tube, 15ml. Diameter 17 x 120mm, Polypropylene

Number	Description	Pack
17018	Non Sterile; pack of 750	152.07
17020	Sterile; pack of 750	158.18
17022	Sterile individually wrapped. Pack of 500	212.50



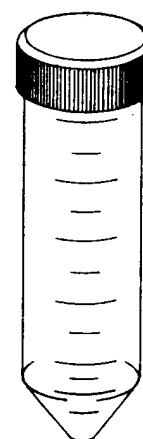
Caps and Stoppers for 15ml Centrifuge Tubes

Dual position caps offer two possibilities: the closed but unsealed position where samples are maintained aerobic for microbiological procedures; and the fully sealed position where the cap is pushed tight to seal the tube for anaerobic use, or for storage, transfer and centrifuge applications.

Number	Description	Price
T401-10B	17mm Cap, blue (pack of 1000)	32.77
T401-10G	17mm Cap, green (pack of 1000)	32.77
T401-10N	17mm Cap, natural (pack of 1000)	32.77
T401-10R	17mm Cap, red (pack of 1000)	32.77
T401-10W	17mm Cap, white (pack of 1000)	32.77
T401-10Y	17mm Cap, yellow (pack of 1000)	32.77

Centrifuge Tubes, 50ml

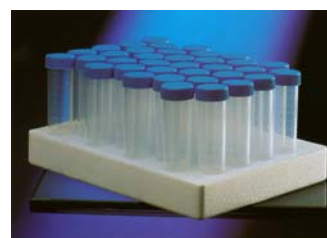
Available in polystyrene and polypropylene (O.D. = 29mm, H = 118mm). Leak-proof characteristics are assured by a flat top plastic screw cap with an inner sealing lip. Polypropylene tubes can tolerate centrifuge speeds of up to 5000rpm. Polystyrene tubes withstand centrifuge speeds of 1500rpm. Tubes are available in bags or in break-a-way polyfoam racks for better protection during transport, storage and for convenient laboratory use.



Number	Description	Tubes/Pack	Price per case (500)
T420-4	50ml Sterile Centrifuge Tube, polypropylene with green cap.	Bag/25	165.49
T420-5	50ml Centrifuge Tube, polypropylene with yellow cap	Rack/25	135.69
T420-6	50ml Centrifuge Tube, polystyrene with yellow cap	500 (bulk)	87.69
T420-7	50ml Centrifuge Tube, polypropylene with yellow cap	500 (bulk)	90.55

Moulded-in Graduated Conical Test Tube, 50ml. Diameter 30 x 115mm, Polypropylene

Number	Description	Case
17000	Non Sterile, 50ml graduated conical tubes; pkg of 300	60.84
17002	Sterile, 50ml graduated conical tubes; pkg of 300	70.56
17004	Sterile individually wrapped, 50ml graduated conical tubes; pkg of 250	159.85



Culture Tubes

8.8 × 45 mm Culture Tubes, 1.2 ml with Plug Strips

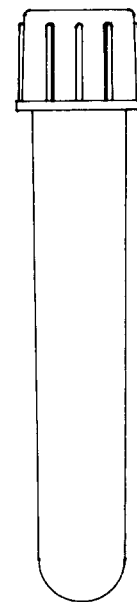
These tubes are designed for many laboratory procedures including HTLV-III testing, as specimen and reagent storage and transport systems. The tube and tray packs (but not the plug strips) are completely autoclavable and can be stored to -100°C.

Number	Description	Package Type (unit)	Price per unit, in quantities of:		
			1-10	11-30	31+
845	Polypropylene Tube	Bag of 1,000	15.83	14.46	13.03
845-TP	Polypropylene Tube	8 x 12 Tray Pack	24.25	21.65	20.15
845-TPS	Polypropylene Tube	8 x 12 Tray Pack, Sterilized	27.30	25.77	25.16
847	Plug Strip, polyethylene	Bag of 960 (12 Strips of 8)	13.98	12.35	10.99
847-S	Plug Strip, polyethylene	Bag of 960 (12 Strips of 8) Sterilized	14.92	14.17	12.68

12 × 75 mm, 5 ml Round Bottom Culture Tubes, Plugs and Caps

Ideal for routine laboratory analyses and procedures, including clinical applications. Available in polystyrene and polypropylene, bulk economy packs and sterile individually wrapped packs.

Number	Description	Package Type (unit)	Price per unit, in quantities of:		
			1-10	11-30	31 plus
530-B	Polystyrene Tube only	Bag of 1,000	33.48	30.62	27.76
540***	Plug Closure only, polyethylene (LDPE), white	Bag of 1,000	9.17	7.96	7.57
541-W**	Versaclosure™ Universal Cap designed for all tubes of 16, 13, 12, and 10mm. Sealing is either inside the tube for 16mm tubes and over the tubes for 13, 12, and 10mm tubes. Finally one common cap for most commonly used tubes!	Bag of 1,000	22.28	20.61	18.94
542**	SAV-IT, Pliable Cap Closure. For use with evacuated blood collection, glass and plastic tubes. Fits in 12 & 13mm sizes.	Bag of 1,000	38.19	36.28	32.46
543**	SAV-IT, Pliable Cap Closure. For use with evacuated blood collection, glass and plastic tubes. Fits in 16mm sizes.	Bag of 1,000	38.19	36.28	32.46
544	Multi-fitting Flanged Polyethylene Caps for a leak resistant seal. For use with 12 & 13mm plastic tubes	Bag of 1,000	26.52	25.19	22.54
546	Filter Sampler Cap. A universal stepped design closure that fits inside non-flanged filters and other plastic tubes. Used to prevent evaporation	Bag of 500	20.16	19.15	17.13



*** Available in R = Red, B = Blue, G = Green, Y = Yellow. Inquire for pricing.

** Available in W = Natural color, Blk = Black, B = Blue, Gy = Grey, G = Green, L = Lavender, R = Red, Y = Yellow. Insert above notation for desired color. Natural is the common type stocked.

13 × 100mm to 17 × 100mm Culture Tubes

Number	Description	Volume, ml	Quantity per case	Price
T400-4	Polystyrene, 13 × 100	8	1,000	53.75
T400-7	Polystyrene, 16 × 100	12	1,000	81.97
T400-10	Polystyrene, 17 × 100	15	1,000	84.17
T400-10A	Polypropylene, 17 × 100	15	1,000	84.17

Glass Culture Tubes

Flint

Number	Description	Volume (ml)	Case	Price
60AM10	10 × 75mm	4	1,000	27.21
60BM12	12 × 75mm	6	1,000	30.21
60CM13	13 × 100mm	10	1,000	39.07
60EM16	16 × 100mm	15	1,000	57.92
60FM165	16 × 125mm	19	1,000	65.46
60GM166	16 × 150mm	23	1,000	69.28
60KM18	18 × 150mm	29	500	56.58
60NM20	20 × 150mm	36	500	Inquire

*caps sold separately

Borosilicate

Number	Description	Case	Price
60A10B	10 × 75mm	1,000	31.07
60B12B	12 × 75mm	1,000	34.79
60C13B	13 × 100mm	1,000	44.13
60E16B	16 × 100mm	1,000	64.05
60F165B	16 × 125mm	1,000	72.29
60G166B	16 × 150mm	1,000	84.09
60K18B	18 × 150mm	500	66.70
60N20B	20 × 150mm	500	101.15

Culture Media Tubes, 51 Expansion Glass for Screw Cap

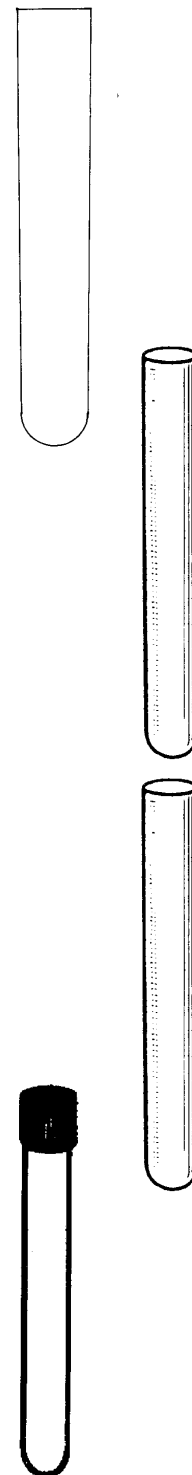
Number	Description	Thread Size	Case	Price
90H13100	13 × 100mm	13-415	1,000	187.03
90K16100	16 × 100mm	15-415	1,000	203.05
90K16125	16 × 125mm	15-415	1,000	230.15
90K16150	16 × 150mm	15-415	1,000	Inquire
90P20125	20 × 125mm	18-415	500	135.59
90P20150	20 × 150mm	18-415	500	147.80

Add suffix "F" for flat bottom or "R" for round bottom (90K16150 is only available in round bottom)

*caps sold separately

Screw Caps for Culture Tubes

Number	Description	Thread Size	Pkg.	Price
2513415	Black Linerless P.P.	13-415	250	16.31
2515415	Black Linerless P.P.	15-415	250	18.93



2518415	Black Linerless P.P.	18-415	250	26.69
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Tissue Culture Tubes and Centrifuge Tubes

- Both products are TC-treated
- Easy read white volume graduation with marking field
- Excellent optical clarity for viewing under microscope
- High-grade, low toxicity polystyrene tube, polyethylene closure
- Packed contents are gamma-sterilized
- Monitored cell growth properties in batches
- Tissue Culture Tubes can be centrifuged 1200 x g
- Tissue Culture Centrifuge Tubes can be centrifuged at 9400 x g

These Tissue Culture Tubes complement the culture flasks ideally with an added advantage of centrifugation. The flat section has impeccable see through qualities and can also serve as a mini-flask. The large tube has a flat surface offering an advantage under a microscope as viewing through a tube's curvature causes distortion. The culture surface is perfectly flat and TC-treated. A wide-neck allows easy accessibility. The tube can be centrifuged by adding water to the insert in order to prevent breakage during centrifuging. The flat base features two protrusions, which protect the base against scratches. Also available is a filter cap, which provides sterile ventilation and guarantees a gas exchange without contamination.



TPP tubes meet the standard demands with added ease for applications. The tubes fit most standard centrifuges and are equipped with advantages such as a tight seal, transparency, graduation markings, and a white marking field. The yellow screw cap is tight and safe against overturning. The end of the thread is equipped with a restriction to prevent cap from loosening. A white marking area on the front of the cover and the cap provides good visibility for labeling. Clear white graduation marks extend to the conus (bottom). The large tubes are graduated at 0.5ml; the small tubes are graduated at 0.1ml increments.



Tissue Culture Tubes

Number	Dimension (mm)	Material	Growth Surface	With Filter Cap	Qty/case	Price
91153	30 x 110	Polystyrene	10cm ² (flat bottom)	Yes	275	210.08

Tissue Culture Centrifuge Tubes

Number	Design	Dimension (mm)	Material	Volume (ml)	Qty/case	Price
91050	Conical	30.0 x 116	Polypropylene	50	18 bags of 20	123.83
91051	Skirted	30.0 x 116	Polypropylene	50	16 bags of 20	127.16
91015	Conical	16.5 x 120	Polypropylene	15*	20 bags of 40	116.09
91115	Conical	16.5 x 120	Polystyrene	15*	20 bags of 40	250.99