

Caps & Closures

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Ultra Pure Stoppers



- Manufactured from an ultra pure bromobutyl formulation with extremely high chemical purity and low gas permeability
- Free of latex, nitrosamines and 2-MCBT (2-mercaptobenzothiazole)
- Compatible with applications such as Water for Injection (WFI) where rubber extractables can cause problems
- Complies with US, European and Japanese Pharmacopeias

Straight Plug Stoppers

- Grey bromobutyl/47
- Low level of extractables
- Autoclavable

Cat. No.	For Mouth ID x OD (mm)	Qty / Case
W224100-400	7 x 13	1000
W224100-405	13 x 20	1000

Lyophilization Stoppers

- Grey bromobutyl/46
- Available in 2-Leg, 3-Leg and Igloo styles
- Demonstrates a very low level of moisture adsorption
- Very low adsorption of the preservatives present in aqueous parenteral solutions
- Autoclavable

Cat. No.	For Mouth ID x OD (mm)	Qty / Case
2-Leg Lyophilization		
W224100-406	13 x 20	1000
3-Leg Lyophilization		
W224100-407	13 x 20	1000
Igloo Lyophilization		
W224100-402	7 x 13	1000
W224100-408	13 x 20	1000

Complete Coat Stoppers

- Grey bromobutyl/39
- Stoppers are completely coated with a fluorinated polymer
- Manufactured in a silicone-free environment
- PTFE like coating prevents reactions due to sample contact with rubber
- Autoclavable

Cat. No.	For Mouth ID x OD (mm)	Qty / Case
Straight Plug Stopper		
W224100-420	7 x 13	1000
W224100-421	13 x 20	1000

Rubber Stoppers



- Variety of styles, sizes and rubber formulations
- Manufactured from the highest quality raw materials
- Components manufactured to yield exceptional dimensional stability
- Straight plug stoppers provide maximum sealing for vials with straight-wall glass finish
- Snap-on style provides maximum sealing for vials with a blow-back glass finish
- Sleeve style stoppers feature a fold-over skirt for sealing in serum finish vials without a crimp closure
- Autoclavable

Cat. No.	For Mouth ID x OD (mm)	Style	Stopper Material	*Durometer	Shelf Pack	Qty / Case
224100-020	5 x 11	Sleeve	Natural Red Rubber	39	100	1000
224100-070	7 x 13	Straight Plug	Natural Red Rubber	40	100	1000
224100-072	7 x 13	Straight Plug	Gray Chlorobutyl-Isoprene Blend / FEP Faced	40	100	1000
W224100-093	7 x 13	2-Leg Lyophilization	Gray Chlorobutyl	50	100	1000
224100-060	7 x 13	Sleeve	Natural Red Rubber	39	100	1000
224100-080	7 x 13	Snap-On	Natural Red Rubber	40	100	1000
W224100-081	7 x 13	Snap-On	Gray Chlorobutyl	55	100	1000
224100-170	10 x 20	Straight Plug	Natural Red Rubber	40	100	1000
224100-160	10 x 20	Sleeve	Natural Red Rubber	39	100	1000
224100-172	13 x 20	Straight Plug	Natural Red Rubber	45	100	1000
W224100-173	13 x 20	Straight Plug	Gray Chlorobutyl	46	100	1000
224100-174	13 x 20	Straight Plug	Gray Chlorobutyl-Isoprene Blend	40	100	1000
224100-175	13 x 20	Straight Plug	Gray Chlorobutyl-Isoprene Blend / FEP Faced	40	—	1000
224100-177	13 x 20	Straight Plug	Black FKM	55	—	100
224100-178	13 x 20	Straight Plug	Silicone	55	100	1000
W224100-190	13 x 20	Snap-On – Thin Flange	Gray Chlorobutyl	49	100	300
224100-192	13 x 20	2-Leg Lyophilization	Gray Chlorobutyl-Isoprene Blend	50	100	1000
W224100-193	13 x 20	2-Leg Lyophilization	Gray Chlorobutyl	46	100	1000
W224100-202	13 x 20	3-Leg Lyophilization	Gray Chlorobutyl	46	100	1000
224100-203	13 x 20	3-Leg Lyophilization – Thin Flange	Gray Chlorobutyl	55	—	300
224100-161	13 x 20	Sleeve	Natural Red Rubber	39	100	1000
224100-180	13 x 20	Snap-On	Natural Red Rubber	45s	100	1000
W224100-181	13 x 20	Snap-On	Gray Chlorobutyl	46	100	1000
224100-330	15 x 30	Straight Plug	Natural Red Rubber	40s	100	1000
224100-331	15 x 30	Straight Plug	Gray Bromobutyl	50	100	1000
224100-320	15 x 30	Sleeve	Natural Red Rubber	39	100	1000
W224100-342	15 x 30	Snap-On	Gray Bromobutyl	52	100	1000
W224100-282	20 x 28	2-Leg Lyophilization	Gray Chlorobutyl	46	100	1000

*Durometer is a measure of the resistance of a material to indentation. The higher the number, the greater the resistance. The Shore A scale is used for soft elastomers. The term durometer is often used to refer to the measurement, as well as the instrument itself.

Lined Aluminum Seals

- Ideal closures for chromatography and other instrumentation applications
- Open top seal provides for filling or retrieving contents with a syringe



Open Top Lined Seal



Center Disc Tear-Out Lined Seal

Cat. No.	For Mouth OD (mm)	Seal Type	Seal Liner	Color	Qty / Pack	Qty / Case
224211-01	11	Open Top	PTFE / Red Rubber	Natural	100	1000
224211-05	11	Open Top	PTFE / Red Rubber	Blue	100	1000
224211-06	11	Open Top	PTFE / Red Rubber	Red	100	1000
224211-07	11	Open Top	PTFE / Red Rubber	Green	100	1000
224219-01	11	Open Top	PTFE / Silicone	Natural	100	1000
224219-05	11	Open Top	PTFE / Silicone	Blue	100	1000
224219-06	11	Open Top	PTFE / Silicone	Red	100	1000
224219-07	11	Open Top	PTFE / Silicone	Green	100	1000
224231-01	11	Open Top	PTFE / Silicone / PTFE	Natural	100	1000
224231-05	11	Open Top	PTFE / Silicone / PTFE	Blue	100	1000
224231-06	11	Open Top	PTFE / Silicone / PTFE	Red	100	1000
224231-07	11	Open Top	PTFE / Silicone / PTFE	Green	100	1000
224235-01	11	Open Top	PTFE / Gray Butyl	Natural	100	1000
224222-01	13	Center Disc Tear-Out	PTFE / Red Rubber	Natural	100	1000
224223-01	20	Center Disc Tear-Out	PTFE / Red Rubber	Natural	100	1000



Aluminum Seals (Unlined)



- Wide range of styles and sizes
- Color selection includes natural, red, blue and green
- Open top seals expose stopper for sample retrieval with a syringe
- Tear-off seal removes completely allowing content to pour from bottle
- Solid top seals are excellent for long-term storage of samples
- Flip cap seals provide tamper evidence

Cat. No.	For Mouth OD (mm)	Style	Color	Qty / Case
224176-01	11	Open Top	Natural	1000
224176-05	11	Open Top	Blue	1000
224176-06	11	Open Top	Red	1000
224176-07	11	Open Top	Green	1000
224189	11	Solid-Top	Natural	1000
224177-01	13	Open Top	Natural	1000
224177-05	13	Open Top	Blue	1000
224177-06	13	Open Top	Red	1000
224182-01	13	Center Disc Tear-Out	Natural	1000
224182-05	13	Center Disc Tear-Out	Blue	1000
224182-06	13	Center Disc Tear-Out	Red	1000
224182-07	13	Center Disc Tear-Out	Green	1000
224192-01	13	Complete Tear-Off	Natural	1000
224192-05	13	Complete Tear-Off	Blue	1000
224192-06	13	Complete Tear-Off	Red	1000
224192-07	13	Complete Tear-Off	Green	1000
224202	13	Flip Cap	Red	1000
W224207	13	Flip Cap Tear-Off	Red	1000
224178-01	20	Open Top	Natural	1000
224178-05	20	Open Top	Blue	1000
224178-06	20	Open Top	Red	1000
224178-07	20	Open Top	Green	1000
224183-01	20	Center Disc Tear-Out	Natural	1000
224183-05	20	Center Disc Tear-Out	Blue	1000
224183-06	20	Center Disc Tear-Out	Red	1000
224183-07	20	Center Disc Tear-Out	Green	1000
224191	20	Solid-Top	Natural	1000
224193-01	20	Complete Tear-Off	Natural	1000
224193-05	20	Complete Tear-Off	Blue	1000
224193-06	20	Complete Tear-Off	Red	1000
224193-07	20	Complete Tear-Off	Green	1000
224203	20	Flip Cap	Red	1000
W224205	20	Flip Cap	White	1000
224208	20	Flip Cap Tear-Off	Red	1000
224187-01	30	Center Disc Tear-Out	Natural	1000
224197-01	30	Complete Tear-Off	Natural	1000

Septa for Unlined Aluminum Seals



Cat. No.	For Mouth OD (mm)	Material	Qty / Case
224172	13	PTFE / Silicone	100
W224163	20	Silicone	1000
W224173	20	PTFE / Silicone	100
224168*	20	PTFE / Gray Butyl	100
224174	30	PTFE / Silicone	100

*This item is a specially molded septa with a PTFE inset. The sealing surface of butyl and PTFE effect a more positive seal than plain PTFE faced septa.

Tamper Evident Safety Caps



- Use with WHEATON Uni-Dose® Bottles and Vials
- Three-piece Pulp / PVDC / PE lined aluminum caps have unique metal inserts
- Contents cannot be accessed without removing cap or leaving evidence of puncture or insert
- A metal tab with a rolled safety edge "perks up" to provide visual proof of tight seal
- Caps remove quickly and easily in one piece
- Catalog number W224199 is stamped inside "For Oral Use"
- Attach using WHEATON Crimper (Cat. No. 224316)

Cat. No.	For Mouth OD (mm)	Qty / Case
W224198	28.5	2500
W224199 (For Oral Use)	28.5	5000



Battery Powered Crimping Tool

- Powerful motor with a fast cycle
- Convenient controls on top of unit to adjust crimp
- Long lasting battery with Lithium Ion technology - up to 800 crimps per charge
- Advanced charging system including warning light when recharging is necessary
- Can be operated while charging
- Optional base and mounting kit

Cat. No.	Description	Size (mm)	Qty
W225708	Battery Powered Crimper	8	1
W225711	Battery Powered Crimper	11	1
W225712	Battery Powered Decapper	11	1
W225713	Battery Powered Crimper	13	1
W225714	Battery Powered Decapper	13	1
W225720	Battery Powered Crimper	20	1
W225721	Battery Powered Decapper	20	1
W225715	Battery Powered Flip Cap Crimper	13	1
W225722	Battery Powered Flip Cap Crimper	20	1

Automatic Crimping Tool Stand

Cat. No.	Description	Qty
W225701	Crimping Tool Stand	1

High Performance Crimping Tool

- Fastest and most powerful WHEATON crimping tool
- Strong enough for all steel and magnetic caps
- Designed with external power source and cord (no battery)
- Uses interchangeable jaw sets
- Stores up to 9 programs for different caps and seals
- Optional base and mounting kit

Cat. No.	Jaw(s) Included	Size (mm)	Qty
W225730-[]	—	—	1
W225731-[]	Crimper	20	1
W225732-[]	Crimper & Decapper	20	1
W225733-[]	Flip Cap Crimper & Decapper	20	1

High Performance Jaw Sets

Cat. No.	Jaw Type	Size (mm)	Qty
W225741	Crimper Jaw Set	8	1
W225751	Crimper Jaw Set	11	1
W225752	Decapper Jaw Set	11	1
W225761	Crimper Jaw Set	13	1
W225762	Decapper Jaw Set	13	1
W225763	Flip Cap Crimper Jaw Set	13	1
W225771	Crimper Jaw Set	20	1
W225772	Decapper Jaw Set	20	1
W225773	Flip Cap Crimper Jaw Set	20	1

	Plug Style
[A]	North American Cord, 120V
[B]	Japan Cord, 100V
[C]	Europe Cord, 230V
[D]	UK Cord, 230V
[F]	Australia / China, 240V
[G]	Italy / Chile, 230V
[J]	India Cord, 230V

*When ordering, please reference the letter corresponding to the correct electrical cord. Refer to page 146 for plug styles.

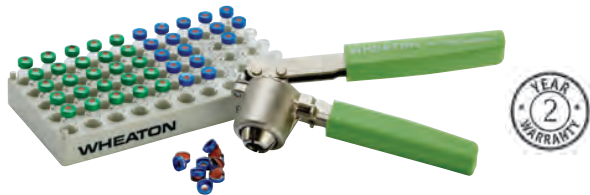
E-Z Crimper™

- Used to attach aluminum seals to bottles and vials with a crimp / serum finish
- Cushioned ergonomic handle reduces hand fatigue
- Labeled for quick size identification
- Polished crimping jaws provide consistent sealing



Cat. No.	Description	Qty / Case
W225300	Attaches 8mm Standard Aluminum Seals	1
W225301*	Attaches 11mm Standard Aluminum Seals	1
W225302	Attaches 13mm Standard Aluminum Seals	1
W225303	Attaches 20mm Standard Aluminum Seals	1

*The 11mm E-Z Crimper™ is supplied with a plunger insert to give the option of crimping the top of a vial creating an extra tight seal. We recommend this only for standard opening vials.

E-Z Decapper™

- Used to remove aluminum seals from bottles and vials with crimp / serum finish
- Cushioned ergonomic handle reduces hand fatigue
- Labeled for quick size identification
- Autoclavable

Cat. No.	Description	Qty / Case
W225350	Removes 8mm Standard Aluminum Seals	1
W225351	Removes 11mm Standard Aluminum Seals	1
W225352	Removes 13mm Standard Aluminum Seals	1
W225353	Removes 20mm Standard Aluminum Seals	1

Crimper / Decapper

- These crimpers are used for flip cap seals and for aluminum seals sizes 16.5, 28.5, and 30mm
- Not autoclavable



Cat. No.	Description	Qty / Case
224322	Crimper, attaches 13mm Flip Cap Seals	1
224321	Crimper, attaches 16.5mm Flip Cap Seals	1
224323	Crimper, attaches 20mm Flip Cap Seals	1
224316	Crimper, attaches 28.5mm Uni-Dose® Seals	1
224307	Crimper, attaches 30mm Seals	1
224357	Decapper, removes 30mm Seals	1

Plier Decapper

- An inexpensive and easy way to remove seals
- Made of steel with gray plastic-coated handles
- To remove a seal, simply secure the seal between the jaws, squeeze the handles and twist the seal



Cat. No.	Description	Qty / Case
224372	Removes 13mm Seals	1
224373	Removes 20mm Seals	1



Black Phenolic Screw Caps



14B Rubber Liner

- 14B Rubber lined caps feature a nontoxic white styrene-butadiene rubber liner ideal for cell culture work
- Aluminum foil faced pulp board liners can be used with organic solvents
- Use low density polyethylene (LDPE) lined caps with distilled water, analytical standards and reagents
- Open top caps with gray chlorobutyl / 50 septa are ideal for use with WHEATON media bottles
- Open top caps provide access with a syringe

Cat. No.	Cap Size	Cap Style	Cap Material	Color	Cap Liner	Autoclavable	Qty / Pack	Qty / Case
240206	8-425	Solid Top	Phenolic	Black	14B Rubber	Yes	—	1000
W240406	8-425	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	200
W240506	8-425	Open Top	Phenolic	Black	Linerless	No	—	200
240208	13-425	Solid Top	Phenolic	Black	14B Rubber	Yes	—	200
240408	13-425	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	200
W240820	13-425	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	250
W240821	13-425	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	250	1000
239249	13-425	Solid Top	Phenolic	Black	PE Cone	No	72	144
W240508	13-425	Open Top	Phenolic	Black	Linerless	Yes	—	200
240463	15-415	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	200
240209	15-425	Solid Top	Phenolic	Black	14B Rubber	Yes	—	200
240409	15-425	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	200
W240822	15-425	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	250
W240823	15-425	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	250	1000
239250	15-425	Solid Top	Phenolic	Black	PE Cone	No	72	144
W240509	15-425	Open Top	Phenolic	Black	Linerless	Yes	—	200
240215	18-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	500
240415	18-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	200
239251	18-400	Solid Top	Phenolic	Black	PE Cone	No	72	144
239451	18-400	Solid Top	Phenolic	Black	PE Cone	No	—	6,500
W240515	18-400	Open Top	Phenolic	Black	Linerless	Yes	—	200
240264	18-415	Solid Top	Phenolic	Black	14B Rubber	Yes	—	500
240414	18-415	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	200
W239298	20-400	Solid Top	Phenolic	Black	14B Rubber	Yes	72	144
240216	20-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	500
240416	20-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	100
239253	20-400	Solid Top	Phenolic	Black	PE Cone	No	72	144
W240516	20-400	Open Top	Phenolic	Black	Linerless	Yes	—	200
239853	22-350	Solid Top	Phenolic	Black	Linerless	Yes	—	500
W239299	22-400	Solid Top	Phenolic	Black	14B Rubber	Yes	72	144
W240824	22-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	100
W240825	22-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	100	500
239255	22-400	Solid Top	Phenolic	Black	PE Cone	No	72	144
W240517	22-400	Open Top	Phenolic	Black	Linerless	Yes	—	200



Metal Foil Liner



PE Cone Liner

Cat. No.	Cap Size	Cap Style	Cap Material	Color	Cap Liner	Autoclavable	Qty / Pack	Qty / Case
W239300	24-400	Solid Top	Phenolic	Black	14B Rubber	Yes	72	144
240218	24-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	500
240418	24-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	100
W240827	24-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	100	500
W242711	24-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	200
239257	24-400	Solid Top	Phenolic	Black	PE Cone	No	72	144
W240518	24-400	Open Top	Phenolic	Black	Linerless	Yes	—	200
W239301	28-400	Solid Top	Phenolic	Black	14B Rubber	Yes	72	144
240419	28-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	100
240119	28-400	Solid Top	Phenolic	Black	PE Cone	No	—	100
239259	28-400	Solid Top	Phenolic	Black	PE Cone	No	72	144
240319	28-400	Solid Top	Phenolic	Black	Metal Foil / Pulp	No	—	100
W239302	33-400	Solid Top	Phenolic	Black	14B Rubber	Yes	72	144
240421	33-400	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	100
240121	33-400	Solid Top	Phenolic	Black	PE Cone	No	—	100
239260	33-400	Solid Top	Phenolic	Black	PE Cone	No	72	144
240321	33-400	Solid Top	Phenolic	Black	Metal Foil / Pulp	No	—	100
240280	33-430	Solid Top	Phenolic	Black	14B Rubber	Yes	—	200
240480	33-430	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	100
240080	33-430	Solid Top	Phenolic	Black	LDPE	No	—	200
240680	33-430	Open Top	Phenolic	Black	Gray Chlorobutyl / 50 Septa	Yes	—	100
240683	33-430	Open Top	Phenolic	Black	Gray Chlorobutyl / 50 Septa	Yes	—	1000
W240540	33-430	Open Top	Phenolic	Black	Linerless	Yes	—	200
240223	38-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	200
W239303	38-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	72
240269	38-415	Solid Top	Phenolic	Black	14B Rubber	Yes	—	200
240281	38-430	Solid Top	Phenolic	Black	14B Rubber	Yes	—	200
240481	38-430	Solid Top	Phenolic	Black	PTFE / 14B Rubber	Yes	—	100
240181	38-430	Solid Top	Phenolic	Black	PE Cone	No	—	100
240381	38-430	Solid Top	Phenolic	Black	Metal Foil / Pulp	No	—	200
240081	38-430	Solid Top	Phenolic	Black	LDPE	No	—	200
W240382	38-439	Solid Top	Phenolic	Black	Metal Foil / Pulp	No	—	200
W239304	43-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	72
W239306	48-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	72
240228	51-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	100
W239308	58-400	Solid Top	Phenolic	Black	14B Rubber	Yes	—	72
240330	58-400	Solid Top	Phenolic	Black	Metal Foil / Pulp	No	—	200

Polypropylene Screw Caps

- Use these caps with WHEATON or other manufacturers' glass bottles or vials
- Polyvinyl liners can be used with mild acids, alkalis, solvents and alcohols
- Foamed polyethylene (PE) liner provides chemical resistance for acids, alkalis, solvents and alcohols
- PTFE faced foamed PE liner ideal for use with high purity chemicals, strong acids and solvents
- Open top caps provide access with a syringe
- Open top caps with pre-slit liner are ideal for use in automated liquid handling equipment



Cat. No.	Cap Size	Cap Style	Cap Material	Color	Cap Liner	Autoclavable	Qty / Pack	Qty / Case
239201	13-425	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	72	144
239401	13-425	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	—	15,000
239273	13-425	Solid Top	Polypropylene	White	Foamed PE	No	72	144
239225	13-425	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
239425	13-425	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	19,000
W240830	13-425	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	250
W240831	13-425	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	250	1000
W240840	13-425	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	250
W240841	13-425	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	250	1000
W242710	13-425	Open Top	Polypropylene	Black	Bonded PTFE / Silicone	Yes	—	250
W240848	13-425	Open Top	Polypropylene	Black	Pre-Slit Bonded PTFE / Silicone	Yes	—	250
W240849	13-425	Open Top	Polypropylene	Black	Pre-Slit Bonded PTFE / Silicone	Yes	250	1000
242210	15-415	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239202	15-425	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	72	144
239274	15-425	Solid Top	Polypropylene	White	Foamed PE	No	72	144
239226	15-425	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
W240832	15-425	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	250
W240833	15-425	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	250	1000
W240842	15-425	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	250
W240843	15-425	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	250	1000
W240850	15-425	Open Top	Polypropylene	Black	Pre-Slit Bonded PTFE / Silicone	Yes	—	250
W240851	15-425	Open Top	Polypropylene	Black	Pre-Slit Bonded PTFE / Silicone	Yes	250	1000
239203	18-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	72	144
239275	18-400	Solid Top	Polypropylene	White	Foamed PE	No	72	144
242212	18-400	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239227	18-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
242214	18-415	Solid Top	Polypropylene	White	Foamed PE	No	—	200
242216	20-400	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239229	20-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
242217	20-410	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239207	22-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	72	144
242218	22-400	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239231	22-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
W240834	22-400	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	100
W240835	22-400	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	100	500
W240844	22-400	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	100
W240845	22-400	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	100	500
239209	24-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	72	144
239281	24-400	Solid Top	Polypropylene	White	Foamed PE	No	72	144
242220	24-400	Solid Top	Polypropylene	White	Foamed PE	No	—	200
240805	24-400	Solid Top	Polypropylene	White	Foil / Pulp	No	—	1000
239233	24-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
239433	24-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	5,500
W240836	24-400	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	100
W240837	24-400	Solid Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	100	500
W240846	24-400	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	—	100

Cat. No.	Cap Size	Cap Style	Cap Material	Color	Cap Liner	Autoclavable	Qty / Pack	Qty / Case
W240847	24-400	Open Top	Polypropylene	White	Bonded PTFE / Silicone	Yes	100	500
242222	24-410	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239211	28-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	72	144
239283	28-400	Solid Top	Polypropylene	White	Foamed PE	No	72	144
242224	28-400	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239235	28-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
242225	28-410	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239284	33-400	Solid Top	Polypropylene	White	Foamed PE	No	72	144
242226	33-400	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239236	33-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	72	144
242228	33-430	Solid Top	Polypropylene	White	Foamed PE	No	—	200
239213	38-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	—	72
239285	38-400	Solid Top	Polypropylene	White	Foamed PE	No	—	72
239237	38-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	72
239214	43-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	—	72
239286	43-400	Solid Top	Polypropylene	White	Foamed PE	No	—	72
239238	43-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	72
239287	45-400	Solid Top	Polypropylene	White	Foamed PE	No	—	72
239239	45-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	72
239216	48-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	—	72
239288	48-400	Solid Top	Polypropylene	White	Foamed PE	No	—	72
239240	48-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	72
239217	53-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	—	72
239289	53-400	Solid Top	Polypropylene	White	Foamed PE	No	—	72
239241	53-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	72
239218	58-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	—	72
239290	58-400	Solid Top	Polypropylene	White	Foamed PE	No	—	72
239242	58-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	72
239291	63-400	Solid Top	Polypropylene	White	Foamed PE	No	24	48
239243	63-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	24	48
239443	63-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	1,250
239220	70-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	24	48
239292	70-400	Solid Top	Polypropylene	White	Foamed PE	No	24	48
239244	70-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	24	48
239222	89-400	Solid Top	Polypropylene	White	Poly-Vinyl / Pulp	No	24	48
239494	89-400	Solid Top	Polypropylene	White	Foamed PE	No	—	500
239246	89-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	24	48
239446	89-400	Solid Top	Polypropylene	White	PTFE / Foamed PE	No	—	500

Microlink® Screw Caps

- Ideal for use with biological media, volatile solvents, corrosive chemicals and sensitive compounds
- Liner is ultrasonically welded to the cap to eliminate the possibility of glue contamination and bond failure common with autoclaving
- Available in convenient Lab Pack quantities as well as larger Case Packs
- Low-compression-set silicone ideal for the storage of samples for prolonged period of time over wide temperature ranges
- PTFE or polypropylene on the exposed face of the liner imparts an inert, chemical-resistant surface
- Open top caps provide access with a syringe
- Autoclavable



Cat. No.	Cap Size	Cap Style	Cap Material	Color	Cap Liner	Autoclavable	Qty / Case
240250-01	20-400	Solid Top	Polypropylene	White	PP / Silicone / PTFE	Yes	48
240250	20-400	Solid Top	Polypropylene	White	PP / Silicone / PTFE	Yes	600
240251-01	24-400	Solid Top	Polypropylene	White	PP / Silicone / PTFE	Yes	48
240240-01	28-400	Open Top	Polypropylene	White	PP / Silicone / PTFE	Yes	48
240241-01	33-400	Open Top	Polypropylene	White	PP / Silicone / PTFE	Yes	24
240241	33-400	Open Top	Polypropylene	White	PP / Silicone / PTFE	Yes	240
240106	33-430	Solid Top	Polypropylene	Black	PP / Silicone	Yes	50
240112	33-430	Open Top	Polypropylene	Black	PP / Silicone / PTFE	Yes	50
240235-01	38-430	Solid Top	Polypropylene	White	PP / Silicone / PP	Yes	24
240256-01	38-430	Solid Top	Polypropylene	White	PP / Silicone / PTFE	Yes	24
240114	38-430	Open Top	Polypropylene	Black	PP / Silicone / PTFE	Yes	50
240200	70-400	Solid Top	Polypropylene	White	PP / Silicone / PTFE	Yes	12

Septa for Open Top Caps, Autoclavable



Cat. No.	For Cap Size (mm)	Material	Qty / Case
Locking Flange Septa			
240563	33	Chlorobutyl / 50	100
Plain Septa			
W240580	8	Red PTFE Faced Silicone	100
W240581A	8	PTFE Faced Silicone	100
W240583A	13	PTFE Faced Silicone	100
W240593	13	PTFE Faced Butadiene	100
W240584A	15	PTFE Faced Silicone	100
W240594	15	PTFE Faced Natural Red Rubber	100
W240585	18	PTFE Faced Silicone	100
W240596	20	ETFE Faced Natural Red Rubber	100
W240586A	20	PTFE Faced Silicone	100
W240587	22	PTFE Faced Silicone	100
W240598A	24	PTFE Faced Semi-Translucent Silicone	100
W240588B	24	PTFE Faced White Silicone	100
W240599	24	PTFE / Silicone / PTFE	100
W240590	33	PTFE Faced Silicone	100
I052665	45	PTFE Faced Silicone for Celstir® Sidearm Cap	1

Liquid Scintillation Vial Screw Caps

- Screw caps for WHEATON liquid scintillation vials
- Use as replacement caps or for vials that are provided without caps
- Choose the right size screw cap for your vial
- Select cap and liner material for your application
- Not autoclavable



Cat. No.	Cap Size (mm)	Cap Material	Cap Liner Material	Qty / Case
241009	15-425	Urea	Metal Foil	1000
240804	22-400	Polypropylene	Metal Foil	1000
241017	22-400	Urea	Metal Foil	1000
240817	22-400	Urea	Polyethylene Disc	1000
240917	22-400	Urea	PE Cone	1000
241317	22-400	Polyethylene	Linerless	1000
240805	24-400	Polypropylene	Foil / Pulp	1000
241018	24-400	Urea	Metal Foil	1000
240818	24-400	Urea	Polyethylene Disc	1000

Polypropylene Screw Cap and Pour Ring

- Replacement caps for Lab 45™ media bottles
- 45mm screw thread
- Inner sealing ring
- Available with liner and center hole
- Autoclavable



Screw Cap, Polypropylene Pour Ring & Lyophilization Stopper

Cat. No.	Color	Description	Qty / Case
240726	White	Cap with Inner Sealing Ring	12
240726-03	Red	Cap with Inner Sealing Ring	12
240726-04	Blue	Cap with Inner Sealing Ring	12
240736	White	Cap without Inner Sealing Ring	12
240740	White	Cap with PTFE Faced Silicone Liner	12
240746	White	Cap with Center Hole	12
240756	—	Polypropylene Pour Ring	12



PBT Screw Cap



ETFE Pour Ring

Polybutylene Terephthalate Screw Cap

- With PTFE faced silicone liner
- 45mm screw thread
- Withstands temperatures up to 200°C
- Autoclavable

Cat. No.	Description	Cap Size	Qty / Case
240750	PBT Screw Cap	45mm	10
240760	ETFE Pour Ring	—	10

Glass Filled PP Screw Cap

- Open top polypropylene (PP) glass-filled cap
- Provides greater heat resistance than other PP caps
- PTFE / silicone septa bonded to cap
- Ideal for EPA samples



Cat. No.	Cap Size	Qty / Pack	Qty / Case
W224600	24-400	100	200

I-Loc™ Closure

- For use with Screw Neck Diagnostic Bottles
- Advantages of an aluminum seal with the convenience of a screw cap
- Polypropylene screw cap with gray bromobutyl / 50 stopper
- Autoclavable



Cat. No.	Cap Size	Color	Qty / Case
240676-01	20-400	Black	100
240676-02	20-400	White	100
240676-03	20-400	Red	100
240676-04	20-400	Blue	100
240676-05	20-400	Yellow	100



Polypropylene Screw Cap

- Unlined for use with WHEATON Glass Diagnostic Bottles
- Solid or open top screw caps
- Use with thin-flange lyophilization stoppers sold separately
- Five colors available
- Autoclavable

Cat. No.	Cap Size	Cap Style	Color	Qty / Case
240706-01	20-400	Solid Top	Black	300
240706-02	20-400	Solid Top	White	300
240706-04	20-400	Solid Top	Blue	300
240706-05	20-400	Solid Top	Yellow	300
240716-01	20-400	Open-Top	Black	300
240716-02	20-400	Open-Top	White	300
240716-03	20-400	Open-Top	Red	300
240716-04	20-400	Open-Top	Blue	300
240716-05	20-400	Open-Top	Yellow	300

Thin-Flange Lyophilization Stopper

224100-203	20mm	Thin-Flange	Gray	300
W224100-190	20mm	Snap-on Thin-Flange	Gray	1000

Polypropylene Screw Cap, Linerless

- Use these caps with WHEATON Leak Resistant Narrow Mouth Bottles
- Available in natural, white, red, blue and green



Cat. No.	Cap Size	Color	Autoclavable	Qty / Pack	Qty / Case
239501	13-425	Natural	Yes	12	72
239501-02	13-425	White	Yes	12	72
239501-03	13-425	Red	Yes	12	72
239501-06	13-425	Green	Yes	12	72
239506	20-410	Natural	Yes	12	72
239506-02	20-410	White	Yes	12	72
239506-03	20-410	Red	Yes	12	72
239506-04	20-410	Blue	Yes	12	72
239506-06	20-410	Green	Yes	12	72
239510	24-410	Natural	Yes	12	72
239510-02	24-410	White	Yes	12	72
239510-03	24-410	Red	Yes	12	72
239510-04	24-410	Blue	Yes	12	72
239510-06	24-410	Green	Yes	12	72
239512	28-410	Natural	Yes	12	48
239512-02	28-410	White	Yes	12	48
239512-04	28-410	Blue	Yes	12	48
239512-06	28-410	Green	Yes	12	48
239516	38-430	Natural	Yes	12	72
239516-02	38-430	White	Yes	12	72
239516-03	38-430	Red	Yes	12	72
239516-04	38-430	Blue	Yes	12	72

Snap Cap

- Use these caps with WHEATON Snap Cap sample bottles
- All sizes have tabs for easy removal
- Natural low density polyethylene



Cat. No.	Cap Size (mm)	Qty / Case
242612	22	200
242615	30	200
242616	34	200
242619	45	200