

SAMPLE VIALS

Sample Vials in Lab File® (With Caps Attached)



Shorty Vials®



Standard Clear and Amber Vials

- Sample vials with caps attached to vial help maintain cleanliness
- Lab File® with partitioned trays provides an easy way to inventory samples or to store empty vials
- Clear vials made from low extractable borosilicate glass to provide superior chemical resistance
- Clear vials conform to USP Type I and ASTM E 438 Type I, Class A requirements
- Amber vials made from borosilicate glass that conforms to USP Type I requirements for light transmission

- Shorty Vials® feature a low profile for greater stability and less dead volume
- 14B rubber lined black phenolic screw cap for aqueous samples
- PTFE / 14B rubber lined black phenolic screw cap for organic samples
- Replacement caps can be purchased separately
- Vials and caps are autoclavable

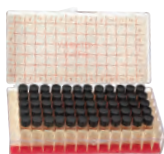
Cat. No.	Color	Size (mL)	Size (dr)	Cap Material	Cap Description	Liner Material	Cap Size	Dia. x H (mm)	Qty / Case	Fits M-T File®	Fits Vial Rack
Shorty Vials with Caps Attached											
W225291	Clear	2	.5	Black Phenolic	Solid Top	14B Rubber	13-425	15 x 31	200	228780	868804
W224606	Clear	2	.5	Black Phenolic	Solid Top	PTFE / 14B Rubber	13-425	15 x 31	200	228780	868804
W225292	Clear	4	1	Black Phenolic	Solid Top	14B Rubber	15-425	17 x 41	200	—	868810
W224607	Clear	4	1	Black Phenolic	Solid Top	PTFE / 14B Rubber	15-425	17 x 41	200	—	868810
W225293	Clear	6	1.5	Black Phenolic	Solid Top	14B Rubber	15-425	19 x 43	200	—	—
W224608	Clear	6	1.5	Black Phenolic	Solid Top	PTFE / 14B Rubber	15-425	19 x 43	200	—	—
Standard Vials with Caps Attached											
224881	Clear	2	.5	Black Phenolic	Solid Top	14B Rubber	8-425	12 x 38	288	228778	985800
W224581	Clear	2	.5	Black Phenolic	Solid Top	PTFE / 14B Rubber	8-425	12 x 38	288	228778	985800
224981	Amber	2	.5	Black Phenolic	Solid Top	14B Rubber	8-425	12 x 38	288	228778	985800
W224681	Amber	2	.5	Black Phenolic	Solid Top	PTFE / 14B Rubber	8-425	12 x 38	288	228778	985800
225081	Clear	2	.5	White Urea	Solid Top	Metal Foil / Pulp	8-425	12 x 38	288	228778	985800
224882	Clear	4	1	Black Phenolic	Solid Top	14B Rubber	13-425	15 x 48	144	228780	868804
W224582	Clear	4	1	Black Phenolic	Solid Top	PTFE / 14B Rubber	13-425	15 x 48	144	228780	868804
224982	Amber	4	1	Black Phenolic	Solid Top	14B Rubber	13-425	15 x 48	144	228780	868804
W224682	Amber	4	1	Black Phenolic	Solid Top	PTFE / 14B Rubber	13-425	15 x 48	144	228780	868804
224884	Clear	8	2	Black Phenolic	Solid Top	14B Rubber	15-425	17 x 63	144	W228790	868810
W224584	Clear	8	2	Black Phenolic	Solid Top	PTFE / 14B Rubber	15-425	17 x 63	144	W228790	868810
224984	Amber	8	2	Black Phenolic	Solid Top	14B Rubber	15-425	17 x 63	144	W228790	868810
W224684	Amber	8	2	Black Phenolic	Solid Top	PTFE / 14B Rubber	15-425	17 x 63	144	W228790	868810
224885	Clear	12	3	Black Phenolic	Solid Top	14B Rubber	15-425	19 x 68	144	—	—
W224585	Clear	12	3	Black Phenolic	Solid Top	PTFE / 14B Rubber	15-425	19 x 68	144	—	—
224886	Clear	16	4	Black Phenolic	Solid Top	14B Rubber	18-400	21 x 73	144	—	—
W224586	Clear	16	4	Black Phenolic	Solid Top	PTFE / 14B Rubber	18-400	21 x 73	144	—	—
225288	Clear	20	5	Black Phenolic	Solid Top	14B Rubber	24-400	28 x 60	72	W228792	868806
W224589	Clear	20	5	Black Phenolic	Solid Top	PTFE / 14B Rubber	24-400	28 x 60	72	W228792	868806
W224820	Amber	20	5	Black Phenolic	Solid Top	14B Rubber	24-400	28 x 60	72	W228792	868806
W224604	Amber	20	5	Black Phenolic	Solid Top	PTFE / 14B Rubber	24-400	28 x 60	72	W228792	868806
224888	Clear	24	6	Black Phenolic	Solid Top	14B Rubber	20-400	23 x 88	144	—	868805
W224588	Clear	24	6	Black Phenolic	Solid Top	PTFE / 14B Rubber	20-400	23 x 88	144	—	868805
225289	Clear	25	6.76	Black Phenolic	Solid Top	14B Rubber	24-400	28 x 73	72	—	868806
W224590	Clear	25	6.76	Black Phenolic	Solid Top	PTFE / 14B Rubber	24-400	28 x 73	72	—	868806
225290	Clear	40	10.8	Black Phenolic	Solid Top	14B Rubber	24-400	28 x 98	72	—	868806
W224591	Clear	40	10.8	Black Phenolic	Solid Top	PTFE / 14B Rubber	24-400	28 x 98	72	—	868806
W224840	Amber	40	10.8	Black Phenolic	Solid Top	14B Rubber	24-400	28 x 98	72	—	868806
W224605	Amber	40	10.8	Black Phenolic	Solid Top	PTFE / 14B Rubber	24-400	28 x 98	72	—	868806
Standard Vials with Writing Patch and Caps Attached											
225012	Clear	4	1	Black Phenolic	Solid Top	14B Rubber	13-425	15 x 48	144	228780	868804
225014	Clear	8	2	Black Phenolic	Solid Top	14B Rubber	15-425	17 x 63	144	W228790	868810

Sample Vials in Lab File® (Without Caps)

- Sample vials packaged in partitioned trays without caps
- Partitioned trays provide an easy way to inventory samples or to store empty vials
- Clear vials made from low extractable borosilicate glass that provides superior chemical resistance
- Clear vials conform to USP Type I and ASTM E 438 Type I, Class A requirements
- Amber vials made from borosilicate glass that conforms to USP Type I requirements for light transmission to protect light-sensitive products
- Shorty Vials® feature a low profile for greater stability and less dead volume
- Screw caps can be purchased separately
- Vials are autoclavable

Cat. No.	Color	Size (mL)	Size (dr)	Cap Size	Dia. x H (mm)	Qty / Case	Fits M-T File®	Fits Vial Rack
Shorty Vials without Caps								
224821	Clear	2	.5	13-425	15 x 28	200	228780	868804
224822	Clear	4	1	15-425	17 x 38	200	—	868810
224823	Clear	6	1.5	15-425	19 x 40	200	—	—
Standard Vials without Caps								
224801	Clear	2	.5	8-425	12 x 35	200	228778	985800
224811	Amber	2	.5	8-425	12 x 35	200	228778	985800
224802	Clear	4	1	13-425	15 x 45	200	228780	868804
224812	Amber	4	1	13-425	15 x 45	200	228780	868804
224804	Clear	8	2	15-425	17 x 60	200	W228790	868810
224814	Amber	8	2	15-425	17 x 60	200	W228790	868810
224805	Clear	12	3	15-425	19 x 65	200	—	—
224806	Clear	16	4	18-400	21 x 70	200	—	—
224831	Clear	20	5	24-400	28 x 57	200	W228792	868806
W224815	Amber	20	5	24-400	28 x 57	200	W228792	868806
224808	Clear	24	6	20-400	23 x 85	200	—	868805
224832	Clear	25	6.76	24-400	28 x 70	200	—	868806
W224834	Clear	30	8	22-400	25 x 95	200	—	—
224833	Clear	40	10.8	24-400	28 x 95	200	—	868806
224836	Amber	40	10.8	24-400	28 x 95	200	—	868806

Sample Vials in Vial File®



224891



224892



W224896

- Provides a compact, easily accessible means of sample storage
- Polystyrene case with partitions, foam inserts and alphanumerical indexing card organize and protect vials
- Clear vials are manufactured from low extractable borosilicate glass that conforms to USP Type I and ASTM E 438 Type I, Class A requirements
- Amber vials made from borosilicate glass that conforms to USP Type I requirements for light transmission to protect light-sensitive products
- Choice of solid or open top black phenolic screw cap
- Open top screw cap provides for sample retrieval with a syringe
- Caps attached to vials
- Vials and caps are autoclavable

Cat. No.	Color	Size (mL)	Size (dr)	Graduations	Cap Style	Cap Material	Liner Material	Cap Size	Dia. x H (mm)	Vials/File	Qty / Case
224950	Clear	1.5	.375	No	Open Top	Black Phenolic	PTFE / Silicone	8-425	12 x 35	60	1
W224954	Amber	1.5	.375	No	Open Top	Black Phenolic	PTFE / Silicone	8-425	12 x 35	60	1
224891	Clear	2	.5	No	Solid Top	Black Phenolic	14B Rubber	8-425	12 x 38	60	1
W224693	Clear	2	.5	No	Solid Top	Black Phenolic	PTFE / 14B Rubber	8-425	12 x 38	60	1
W224896	Amber	2	.5	No	Solid Top	Black Phenolic	14B Rubber	8-425	12 x 38	60	1
W224695	Amber	2	.5	No	Solid Top	Black Phenolic	PTFE / 14B Rubber	8-425	12 x 38	60	1
224892	Clear	4	1	No	Solid Top	Black Phenolic	14B Rubber	13-425	15 x 48	40	1
W224694	Clear	4	1	No	Solid Top	Black Phenolic	PTFE / 14B Rubber	13-425	15 x 48	40	1
224952	Clear	4	1	No	Open Top	Black Phenolic	PTFE / Silicone	13-425	15 x 48	40	1
W224897	Amber	4	1	No	Solid Top	Black Phenolic	14B Rubber	13-425	15 x 48	40	1
W224696	Amber	4	1	No	Solid Top	Black Phenolic	PTFE / 14B Rubber	13-425	15 x 48	40	1
W224955	Amber	4	1	No	Open Top	Black Phenolic	PTFE / Silicone	13-425	15 x 48	40	1

E-C Sample Vials



- E-Conomically priced by packaging vials and screw caps separately
- Clear vials made from low extractable borosilicate glass that provides superior chemical resistance
- Clear vials conform to USP Type I and ASTM E 438 Type I, Class A requirements
- Amber vials made from borosilicate glass that conforms to USP Type I requirements for light transmission to protect light-sensitive products
- Vials packed in two shrink-wrapped packs of 100 vials which reduces contamination from corrugate
- 14B rubber lined black phenolic screw cap for aqueous samples
- PTFE-faced 14B rubber lined black phenolic screw cap for organic samples
- Caps and replacement caps can be purchased separately
- Vials and caps are autoclavable

Cat. No.	Color	Size (mL)	Size (dr)	Cap Material	Liner Material	Cap Size	Dia. x H (mm)	Qty / Case	Fits M-T File*	Fits Vial Rack
224700	Clear	1.8	.375	—	—	8-425	12 x 32	200	228778	985800
224710	Amber	1.8	.375	—	—	8-425	12 x 32	200	228778	985800
224720	Clear	1.8	.375	Black Phenolic	14B Rubber	8-425	12 x 35**	200	228778	985800
224740	Clear	1.8	.375	Black Phenolic	PTFE / 14B Rubber	8-425	12 x 35**	200	228778	985800
224730	Amber	1.8	.375	Black Phenolic	14B Rubber	8-425	12 x 35**	200	228778	985800
224750	Amber	1.8	.375	Black Phenolic	PTFE / 14B Rubber	8-425	12 x 35**	200	228778	985800
224701	Clear	2	.5	—	—	8-425	12 x 35	200	228778	985800
224711	Amber	2	.5	—	—	8-425	12 x 35	200	228778	985800
224721	Clear	2	.5	Black Phenolic	14B Rubber	8-425	12 x 38**	200	228778	985800
224741	Clear	2	.5	Black Phenolic	PTFE / 14B Rubber	8-425	12 x 38**	200	228778	985800
224731	Amber	2	.5	Black Phenolic	14B Rubber	8-425	12 x 38**	200	228778	985800
224751	Amber	2	.5	Black Phenolic	PTFE / 14B Rubber	8-425	12 x 38**	200	228778	985800
224702	Clear	4	1	—	—	13-425	15 x 45	200	228780	868804
224712	Amber	4	1	—	—	13-425	15 x 45	200	228780	868804
224722	Clear	4	1	Black Phenolic	14B Rubber	13-425	15 x 48**	200	228780	868804
224742	Clear	4	1	Black Phenolic	PTFE / 14B Rubber	13-425	15 x 48**	200	228780	868804
224732	Amber	4	1	Black Phenolic	14B Rubber	13-425	15 x 48**	200	228780	868804
224752	Amber	4	1	Black Phenolic	PTFE / 14B Rubber	13-425	15 x 48**	200	228780	868804
224704	Clear	8	2	—	—	15-425	17 x 60	200	W228790	868810
224714	Amber	8	2	—	—	15-425	17 x 60	200	W228790	868810
224724	Clear	8	2	Black Phenolic	14B Rubber	15-425	17 x 63**	200	W228790	868810
224744	Clear	8	2	Black Phenolic	PTFE / 14B Rubber	15-425	17 x 63**	200	W228790	868810
224734	Amber	8	2	Black Phenolic	14B Rubber	15-425	17 x 63**	200	W228790	868810
224754	Amber	8	2	Black Phenolic	PTFE / 14B Rubber	15-425	17 x 63**	200	W228790	868810
224705	Clear	12	3	—	—	15-425	19 x 65	200	—	—
224725	Clear	12	3	Black Phenolic	14B Rubber	15-425	19 x 68**	200	—	—
224745	Clear	12	3	Black Phenolic	PTFE / 14B Rubber	15-425	19 x 68**	200	—	—
224706	Clear	16	4	—	—	18-400	21 x 70	200	—	—
224726	Clear	16	4	Black Phenolic	14B Rubber	18-400	21 x 73**	200	—	—
224746	Clear	16	4	Black Phenolic	PTFE / 14B Rubber	18-400	21 x 73**	200	—	—
W224809	Clear	20	5	—	—	24-400	28 x 57	200	W228792	868806
224708	Clear	24	6	—	—	20-400	23 x 85	200	—	868805
224728	Clear	24	6	Black Phenolic	14B Rubber	20-400	23 x 88**	200	—	868805
224748	Clear	24	6	Black Phenolic	PTFE / 14B Rubber	20-400	23 x 88**	200	—	868805
W224810	Clear	40	10.8	—	—	24-400	28 x 95	200	—	868806
W226060*	Clear	60	15	—	—	24-400	30 x 125	143	—	868808

* Includes one shrink-wrapped pack of 143 vials

** Measurement with cap attached