

Vials Selecting Vials, Inserts, and Caps

Vial Varieties



Screw Top Vials
These standard and large opening vials are available in both clear and amber glass. They come with a variety of closures and septa.



Crimp Top Vials
These standard and large opening vials are used with aluminum seals. The 11mm aluminum seals have 6mm openings.



Shell Vials
Cylindrical shell vials compatible with plug-style needle closures to make syringe extraction easier.



Snap-Top Vials
For use with snap-ring seals as well as standard aluminum seals.



ABC Screw Top Vials
These vials have a unique thread design that allows you to screw on the caps, and still use them in a robotic autosampler.



LVI Vials
These large opening, crimp top vials have a cone-shaped insert.

Insert Varieties



Shell Style Inserts – These economical inserts stand unsupported in the carrier vial. Capacity 0.25-0.35mL.



Cone-Shaped Inserts – These economical inserts stand unsupported in the carrier vial. Capacity 0.10-0.20mL.



Inserts with Top Springs – With the unique design, the insert is centered in the neck of the vial. The needle extracts nearly all of the sample.



Inserts with Bottom Springs – The unique design allows the insert to be centered in the vial.

Cap Varieties



Phenolic Hole Cap
Temp. Limit 149°C



Polypropylene Hole Cap
Temp. Limit 135°C



Polypropylene Solid Cap w/ Aluminum
Temp. Limit 135°C
Not Autoclavable



Phenolic Solid Cap w/Teflon
Temp. Limit 205°C
Not Autoclavable

Selecting Screw Top Vials and Components

Volume	Vial OD x Height	Cap Diameter	Cap Thread (GCM) Spec.)	Septum Diameter
2mL (0.5 drams)	12 x 32mm	12mm	8-425	8mm
4mL (1 dram)	15 x 45mm	13mm	13-425	11mm
7mL (2 drams)	17 x 60mm	15mm	15-425	13mm
15mL (4 drams)	21 x 70mm	18mm	18-400	16mm
22mL (6 drams)	23 x 85mm	20mm	20-400	18mm
40mL (10.7 drams)	29 x 81mm	24mm	24-400	22mm
40mL (10.7 drams)	28 x 98mm	24mm	24-400	22mm

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Vials

ABC Autosampler Vials

ABC Vials, Large Opening, Preassembled, 2mL

Universal autosampler vials, can be used as either crimp-top or screw top. Use with autosamplers that require 12 x 32mm screw top or crimp top vials.



VIAL DESCRIPTION	QTY.	CAT. NO.	PRICE
POLYPROPYLENE CAP, PTFE/SILICONE SEPTUM			
Clear glass	100	27487-U	
	1000	27542	
Clear glass w/markings spot	100	27490-U	
	1000	27548-U	
Amber glass	100	27493	
Amber glass w/markings spot	100	27496	
	1000	27549-U	

POLYPROPYLENE CAP, PTFE/RUBBER SEPTUM			
Clear glass	100	27488-U	
	1000	27544-U	
Clear glass w/markings spot	100	27491-U	
	1000	27550-U	
Amber glass	100	27494	
Amber glass w/markings spot	100	27497-U	
	1000	27551	

POLYPROPYLENE CAP, PTFE/SILICONE/PTFE SEPTUM			
Clear glass	100	27489	
	1000	27546-U	
Clear glass w/markings spot	100	27492-U	
	1000	27552	
Amber glass	100	27495	
Amber glass w/markings spot	100	27498	

ABC Vials, Large Opening with 0.3mL LVI Insert

Packs of 100.



VIALS	CAT. NO.	PRICE
Clear glass, no cap	27562-U	
Clear glass, w/PTFE red rubber cap	27564-U	
Clear glass, w/PTFE silicone cap	27565-U	
Clear glass, w/PTFE/silicone/PTFE cap	27566-U	
Clear glass, w/PTFE lined cap	27567-U	
Amber glass, no cap	27563-U	

ABC Vials Only, Large Opening, 2mL

VIAL DESCRIPTION	QTY.	CAT. NO.	PRICE
Clear glass	100	27329	
	1000	27554	
Clear glass w/markings spot	100	27330	
	1000	27556	
Amber glass	100	27331	
	1000	27555-U	
Amber glass w/markings spot	100	27332	
	1000	27557	

Screw Caps with Septa for ABC Vials

CAP COLOR	QTY.	CAT. NO.	PRICE
PTFE/SILICONE			
Clear	100	27326	
Clear	1000	27558	
PTFE/RED RUBBER			
Clear	100	27327	
Clear	1000	27559	
RED PTFE/SILICONE			
Black	100	507393	
Red	100	507423	
Yellow	100	507466	
PTFE/SILICONE/PTFE			
Clear	100	27328	
Clear	1000	27560-U	
TAN PTFE/SILICONE			
Black	100	507385	
Yellow	100	507458	
PTFE/SILICONE/PTFE			
Black	100	507407	
Yellow	100	507474	

Inserts for ABC Vials

INSERT DESCRIPTION	QTY.	CAT. NO.	PRICE
0.35mL glass, shell style	100	24715	
	1000	24716	
0.25mL glass, conical	100	24717	
0.15mL glass w/top spring	100	24719	
0.20mL glass w/bottom spring	100	24721	
0.20mL polypropylene w/bottom spring	100	24722	

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Vials & Syringes

SUPELCO

Vials

Pre-Assembled Screw Top Sampling Vials



Vials with Open-Top Screw Caps
Packs of 100.

CAPACITY	CAT. NO.	PRICE
PHENOLIC CAP, PTFE/SILICONE SEPTUM		
Clear Glass		
2mL	27124-U	
4mL	27136	
7mL	27148	
15mL	27159	
22mL	27170	
40mL (29 x 81mm)	27180	
40mL (28 x 98mm)	27089-U	
Amber Glass		
2mL	27005	
4mL	27006	
7mL	27007	
15mL	27008	
22mL	27009-U	
40mL (29 x 81mm)	27010-U	
40mL (28 x 98mm)	27121-U	
PHENOLIC CAP, PTFE/RED RUBBER SEPTUM		
Clear Glass		
2mL	27123-U	
4mL	27135	
7mL	27147	
15mL	27158	
Amber Glass		
2mL	27011	
4mL	27012	
7mL	27013	
15mL	27014-U	
22mL	27015	

CAPACITY	CAT. NO.	PRICE
POLYPROPYLENE CAP, PTFE/SILICONE SEPTUM		
Clear Glass		
2mL	27208-U	
4mL	27209-U	
7mL	27210	
15mL	27211	
22mL	27212	
40mL (29 x 81mm)	27213	
Amber Glass		
2mL	27046-U	
4mL	27047	
7mL	27048-U	
15mL	27049	
22mL	27050-U	
40mL (29 x 81mm)	27051	
POLYPROPYLENE CAP, PTFE/RED RUBBER SEPTUM		
Clear Glass		
2mL	27202-U	
4mL	27203-U	
7mL	27204	
15mL	27205	
Amber Glass		
2mL	27040-U	
4mL	27041	
7mL	27042-U	
22mL	27044-U	

Vials

Pre-Assembled Screw Top Sampling Vials



Vials with Solid-Top Screw Caps

Packs of 100.

CAPACITY	CAT. NO.	PRICE
PHENOLIC CAP, TEFLON LINER		
Clear Glass		
2mL	27134	
4mL	27138	
7mL	27150-U	
15mL	27161	
22mL	27172-U	
40mL (29 x 81mm)	27181	
Amber Glass		
2mL	27000	
4mL	27001-U	
7mL	27002-U	
15mL	27003	
22mL	27004	
40mL (29 x 81mm)	27182	
PHENOLIC CAP, ALUMINUM LINER		
Clear Glass		
2mL	27125-U	
4mL	27137	
7mL	27149	
15mL	27160-U	
22mL	27171	
Amber Glass		
2mL	27468-U	
7mL	27470-U	
22mL	27472	



Graduated Vials with Screw Caps

Packs of 100.

CAPACITY	CAT. NO.	PRICE
HOLE CAP, BARRIER SEPTUM		
7mL	27524	
22mL	27526	
40mL	27527	
SOLID CAP, TEFLON LINER		
2mL	27505-U	
4mL	27506-U	
7mL	27507	
15mL	27508	
22mL	27509	
HOLE CAP, THERMOSEAL SEPTUM		
2mL	27499	
4mL	27500-U	
15mL	27502-U	
HOLE CAP, BLUE PTFE/SILICONE		
2mL	27516	
4mL	27517	
7mL	27518	
15mL	27519	
22mL	27520-U	
40mL	27521	

2mL Large Opening Vials with Open-Top Screw Caps

Packs of 100.

VIAL DESCRIPTION	CAT. NO.	PRICE
POLYPROPYLENE CAP, RED PTFE/SILICONE SEPTUM		
Clear glass	27531	
Amber glass	27532	
POLYPROPYLENE CAP, DOUBLE-FACED SILICONE SEPTUM		
Clear glass	27533	
Amber glass	27535	
POLYPROPYLENE CAP, PTFE SEPTUM W/SLIT		
Clear glass	27534	
Amber glass	27536	

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Vials & Syringes

SUPELCO

Vials

Screw Top Vials, Caps



Vials Only

Screw top glass vials; caps not included. Packs of 100.

CAPACITY	CAT. NO.	PRICE
CLEAR		
1.5mL	507369	
2mL	27078	
2mL – Large Opening	27265	
4mL	27111	
7mL	27151	
15mL	27162	
22mL	27173	
40mL (29 x 81mm)	27184	
40mL (28 x 98mm)	27379	
AMBER		
2mL	27083-U	
2mL – Large Opening	27267-U	
4mL	27115-U	
7mL	27072-U	
15mL	27088-U	
22mL	27073-U	
40mL (29 x 81mm)	27185-U	
40mL (28 x 98mm)	27382	



Graduated Vials Only

Graduated screw top clear glass vials; caps not included. Packs of 100.

CAPACITY	CAT. NO.	PRICE
2mL	27023	
4mL	27024	
7mL	27025	
15mL	27026	
22mL	27027-U	
40mL	27028-U	



Screw Caps Only Packs of 100.

VIAL CAPACITY	CAT. NO.	PRICE
PHENOLIC W/HOLE		
2mL	27094-U	
4mL	27120-U	
7mL	27154	
15mL	27165	
22mL	27176	
40mL	27187	
POLYPROPYLENE W/HOLE		
2mL	27052	
2mL Large Opening	27271	
4mL	27053	
7mL	27054	
22mL	27056	
40mL	27057	
SOLID W/TEFLON LINER		
2mL	27091-U	
2mL Large Opening	27416	
4mL	27141	
7mL	27152	
15mL	27163	
22mL	27174-U	
40mL	27186	
SOLID W/ALUMINUM LINER		
2mL	27092-U	
2mL Large Opening	27415	
4mL	27142	
7mL	27153	
15mL	27164	
22mL	27175-U	



Assembled Screw Caps with Septa

Hole caps with PTFE/silicone septa.

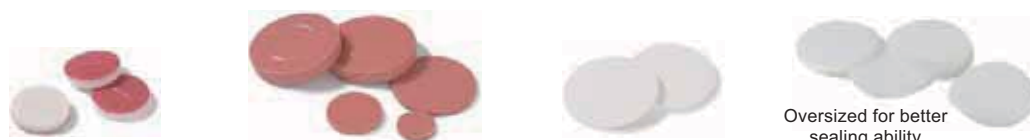
VIAL CAPACITY	QTY.	CAT. NO.	PRICE
2mL	100	27262	
2mL Large Opening	100	27273	
4mL	100	27018	
7mL	100	27019	
15mL	100	27020	
22mL	100	27021	
40mL	100	27022	

Selecting Septa for Screw Top Vials

All septa in packs of 100.



VIAL VOLUME/ SEPTA DIAMETER	RED PTFE/SILICONE CAT. NO.	\$	TAN PTFE/SILICONE CAT. NO.	\$	BLUE PTFE/SILICONE CAT. NO.	\$	THERMOSEAL CAT. NO.	\$
2mL / 8mm	27097-U		27095-U		27510-U		27191	
2mL L.O.* / 10mm	27277		—	—	—	—	—	—
4mL / 11mm	—	—	27144	—	27511	—	27192	—
7mL / 13mm	—	—	27155	—	27512	—	27193	—
15mL / 16mm	—	—	27166	—	27513	—	27194	—
22mL / 18mm	—	—	27177	—	27514	—	27195	—
40mL / 20mm	—	—	27236	—	—	—	27540-U	—
40mL / 22mm	—	—	27188-U	—	27515	—	27196	—



Oversized for better sealing ability

VIAL VOLUME/ SEPTA DIAMETER	PTFE/SILICONE W/SLIT CAT. NO.	\$	PTFE/RED RUBBER CAT. NO.	\$	WHITE PTFE/SILICONE CAT. NO.	\$	TEFLON LINER (0.010) CAT. NO.	\$
2mL / 8mm	27098-U		27132		—	—	27133	
2mL L.O.* / 10mm	27279		—	—	—	—	27281	
4mL / 11mm	—	—	27145	—	27356	—	27146	—
7mL / 13mm	—	—	27156	—	—	—	27157	—
15mL / 16mm	—	—	27167	—	—	—	27168	—
22mL / 18mm	—	—	27178	—	—	—	27179	—
40mL / 20mm	—	—	27233	—	27361	—	—	—



VIAL VOLUME/ SEPTA DIAMETER	BARRIER CAT. NO.	\$	VITON CAT. NO.	\$	PTFE/SILICONE/PTFE CAT. NO.	\$
2mL / 8mm	24882-U		27350-U		27096-U	
2mL L.O.* / 10mm	—	—	—	—	27275	—
4mL / 11mm	24883	—	27351	—	27122-U	—
7mL / 13mm	24884	—	27352	—	—	—
15mL / 16mm	24885-U	—	—	—	—	—
22mL / 18mm	24886-U	—	27354	—	—	—
40mL / 20mm	27189	—	27247	—	—	—
40mL / 22mm	27190-U	—	27355	—	—	—

P000874-84

*L.O. - Large opening

Compatibility/Incompatibility of Septa

Barrier (maximum temp. 350°C)

Silicone bonded to aluminum. Use in sealing applications where non-permeability and low volatility are required at temperatures above 177°C. Affected by many organic solvents (see examples under Silicone).

Butyl (maximum temp. 200°C)

Use with many organic solvents: acetic acid (<50%), acetonitrile, acetone, alcohols, DMSO, phenol. Not compatible with alkanes, benzene, carbon disulfide, chlorinated solvents, cyclohexane.

Red rubber (maximum temp. 100°C)

Use with many hydrocarbons, acetonitrile, alcohols, cyclohexane. Not compatible with chlorinated solvents.

Silicone (maximum temp. 250°C)

Use with acetone, alcohols, DMSO, ether, aqueous samples. Affected by many organic solvents: acetonitrile, benzene, chloroform, hexane, pyridine, tetrahydrofuran, toluene.

Teflon/Rubber (maximum temp. 100°C)

Use with most organics (until pierced). Resistant to chlorosilanes.

PTFE/Teflon/Silicone (maximum temp. 250°C)

Use with most organics (until pierced). Not recommended for use with chlorosilanes.

PTFE/ThermoSeal (maximum temp. 300°C)

An improved grade of silicone septa that can be used at higher temperatures. Affected by many organic solvents (see examples under Silicone).

Viton (maximum temp. 315°C)

Resists mineral oil, aliphatic and aromatic hydrocarbons, high concentrations of acids, high temperatures. Not compatible with strong bases, ketones, low molecular weight esters.

Vials

Screw Top Autosampler Vials

2mL SCREW TOP VIALS

12 x 32mm (12 x 35mm WITH CAP)

Use with:

Agilent / HP 7670A, 7671A, 1042, 1090	Infochroma	Sedere
AIM CPS-100	Jasco	Shimadzu [®] SIL-6A, AOC9
ASC	Kontron	Spectra-Physics [®] 8875, 8880
Beckman 501, 507	LDC/Milton Roy	TOA Model ICA450, ICA5450
Bruker LC51	Magnus Scientific	TOA Model ICA450, ICA5450
Carlo Erba AS105, 8000	Perkin-Elmer ISS 100, ISS 200	TosoH TSK-6080
Gilson (Rack 30P)	Perkin-Elmer Autosystem [®]	United Technologies
Hitachi AS-2000, AS-4000	Phillips LC-XP	Varian 8000, 8100, 8200, 8035, 8055/85
IBM	Precision Sampling GC111, GC311, LC24	Varian Vista Series
		Vavex

♦ Screw top vial with polypropylene cap only. ♦ Black phenolic closure. Cat. No. 27094-U is recommended.



2mL Screw Top and Shell Vials

DESCRIPTION	QTY.	CAT. NO.	PRICE	DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS ONLY				OPEN-TOP CLOSURES, PRE-ASSEMBLED			
2mL clear glass	100	27078		Polypropylene w/red PTFE/silicone septa	100	27262	
	1000	27079		Polypropylene KIM-LOK w/PTFE/silicone septa	100	27261-U	
2mL amber glass	100	27083-U		Phenolic w/tan PTFE/silicone septa	100	27093-U	
	1000	27087-U			1000	33242	
2mL clear, precleaned	100	27339		SEPTA, 8mm			
2mL amber, precleaned	100	27344		Red PTFE/silicone/red PTFE, 0.040"	100	27096-U	
2mL clear glass, silanized	100	27029-U			1000	23182-U	
	1000	27030		Tan PTFE/silicone, 0.065"	100	27095-U	
2mL amber glass, silanized	100	27238			1000	33213	
	1000	27219		Red PTFE/white silicone, 0.065"	100	27097-U	
2mL clear, with graduations	100	27023			1000	23243	
2mL clear glass w/markings spot	100	27080-U		PTFE/silicone w/slit, 0.040"	100	27098-U	
	1000	27081-U			1000	24881	
2mL amber glass w/markings spot	100	27084-U		Black Viton, 30 mil thickness	100	27350-U	
	1000	27085-U		White PTFE, 0.010" (for use w/solid cap)	100	27133	
0.75mL polypropylene	100	24709		PTFE/ red rubber	100	27132	
	1000	24710		INSERTS, SHELL STYLE			
SHELL VIALS WITH CLOSURES				0.25mL glass, 5 x 31mm	200	24701	
2mL clear TITSEAL	200	27255			1000	24702	
	2000	27256		INSERTS, CONICAL			
2mL amber TITSEAL	200	27257		0.10mL glass, 5 x 31mm	200	24703	
	2000	27258			1000	24704	
SCREW TOP MICRO-VIALS				0.15mL glass w/polyflange, 5 x 29mm	100	24705	
0.1mL clear glass	12	33206-U			500	24706	
	144	33241		0.05mL glass w/bottom spring	100	27400-U	
0.1mL polypropylene	200	24712		0.15mL glass w/bottom spring, 5 x 29mm	100	24707	
	1000	24713		0.15mL polypropylene w/bottom spring, 5 x 29mm	100	24708	
0.1mL plastic w/glass insert	100	27090-U		1.5mL SCREW TOP VIALS			
0.1mL amber plastic w/ glass insert w/8mm thread	100	27412		12 x 30mm, 8/425 FINISH			
CLOSURES, 8 X 425				Use with:			
Phenolic, solid caps w/PTFE liner	100	27091-U		Perkin-Elmer Autosampler			
Phenolic, solid caps w/aluminum liner	100	27092-U		CAUTION: The inserts on this page will not fit 1.5mL vials.			
Phenolic, black, open top	100	27094-U		DESCRIPTION			
Polypropylene, black, open top	100	27052		QTY.			
	1000	24764		CAT. NO.			
Polypropylene, yellow, open top	1000	24765		PRICE			
Top seal, polypropylene, clear, 0.010"	100	27402		1.5mL	100	507369	
Hole cap, black, large opening	100	27401			1000	507377	
Top hat, black, w/silicone septa	100	27403-U					
Top hat, yellow, w/silicone septa	100	27404					

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Vials & Syringes

Vials

Screw Top Autosampler Vials

2mL SCREW TOP VIALS – LARGE OPENING (10mm OPENING)

12 x 32mm

Use with:

Alcott 738

Hitachi AS-2000, AS-4000

Shimadzu AOC-14/1400, AOC-17, SIL 6B, SIL 9A, SIL 6A

(Use white and yellow closures only.)

Varian 8100, 8200

Waters Alliance



2mL Screw Top Vials – Large Opening

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS ONLY			
2mL clear glass	100	27265	
	2000	27266	
2mL amber glass	100	27267-U	
2mL step vials, amber glass	100	27406	
2mL step vials, clear glass, with 0.25mL glass insert	100	27418	
2mL step vials, amber glass, with 0.25mL glass insert	100	27419	
0.5mL polypropylene w/10mm thread	100	27410	
0.75mL polypropylene w/10mm thread	100	27411	
1.0mL polypropylene	100	27269	
	1000	27270-U	
PRE-ASSEMBLED VIALS			
2mL clear, w/red PTFE/silicone septa	100	27531	
2mL amber, w/red PTFE/silicone septa	100	27532	
2mL clear, w/ PTFE/silicone/PTFE septa	100	27533	
2mL amber, w/ PTFE/silicone/PTFE septa	100	27535	
2mL clear, w/ PTFE/silicone septa, w/slit	100	27534	
2mL amber, w/ PTFE/silicone septa, w/slit	100	27536	
CLOSURES, 10 x 425			
Polypropylene, black, open top	100	27271	
	1000	27272-U	
Polypropylene, yellow, open top, 10mm	100	27413	
Polypropylene, white, open top, 10mm	100	27414	
Polypropylene, black, solid caps, foil lined	100	27415	
Polypropylene, black, solid caps, PTFE lined	100	27416	
Top seal, clear polypropylene, 0.010"	100	27417	
OPEN-TOP CLOSURES, PRE-ASSEMBLED			
Polypropylene w/PTFE/silicone septa	100	27273	

DESCRIPTION	QTY.	CAT. NO.	PRICE
SEPTA, 10mm			
Red PTFE/silicone/red PTFE, 0.040"	100	27275	
	1000	27276	
Red PTFE/silicone, 0.063"	100	27277	
	1000	27278	
PTFE/silicone w/slit, 0.040"	100	27279	
	1000	27280-U	
White PTFE, 0.010" (for use with solid cap)	100	27281	
	1000	27282	
INSERTS, SHELL STYLE			
0.35mL glass, 6 x 31mm	100	24715	
	1000	24716	
INSERTS, CONICAL			
0.05mL glass w/glass flange, 6 x 25mm	100	27408	
0.25mL glass, 6 x 31mm	100	24717	
0.15mL glass w/top spring, 6 x 29mm	100	24719	
0.20mL glass w/bottom spring, 6 x 29mm	100	24721	
0.20mL polypropylene w/bottom spring, 6 x 29mm	100	24722	
INSERTS FOR STEP VIALS			
0.25mL glass w/glass flange	100	27407	
0.25mL polypropylene w/plastic flange	100	27409	
KIM-BIN WORK STATION			
Station with 2000 clear screw top 2mL (normal opening) vials w/caps and PTFE/silicone septa	1	27264-U	
Unfilled station	1	27263	



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Vials & Syringes

SUPELCO

Vials

Screw Top Autosampler Vials

4mL SCREW TOP VIALS

15 x 45mm

Use with:

Brucker LC51
 Gilson
 Kontron MSI 660
 Perkin-Elmer Autosystem
 Phillips LC-XP
 Shimadzu AOC-14/1400, SIL-2AS, LC-10A
 Spark Marathon
 TosoH TSK-6080
 Waters 48-Position, 717



4mL Screw Top Vials

DESCRIPTION	QTY.	CAT. NO.	PRICE
SCREW TOP VIALS, 15 x 45mm			
4mL clear glass	100	27111	
	1000	27031	
4mL amber glass	100	27115-U	
	1000	27032	
4mL clear, precleaned	100	27340	
4mL amber, precleaned	100	27345	
4mL clear, silanized	100	27114	
	1000	27220-U	
4mL amber, silanized	100	27217	
4mL clear, with graduations	100	27024	
4mL clear w/markings spot	100	27112	
	1000	27113	
4mL amber w/markings spot	100	27116-U	
	1000	27117-U	
4mL plastic w/glass insert	100	27243	
OPEN-TOP CLOSURES, 13-425			
Phenolic, black	100	27120-U	
Polypropylene, black	100	27053	
Polypropylene cap w/PTFE/silicone septa, 0.065"	100	27018	
13mm black top hat, w/PTFE/silicone septa	100	27439	
SOLID CAPS, 13-245			
w/PTFE liner	100	27141	
w/Aluminum liner	100	27142	

DESCRIPTION	QTY.	CAT. NO.	PRICE
SEPTA, 11mm			
Red PTFE/silicone/red PTFE, 0.040"	100	27122-U	
PTFE/red rubber	100	27145	
White PTFE, 0.010" (for solid cap)	100	27146	
Tan PTFE/silicone septa, 0.060"	100	27144	
White PTFE/white silicone	100	27356	
	1000	27369-U	
Viton	100	27351	
	1000	27364	

INSERTS AND SPRINGS

0.75mL clear glass, shell style, 8 x 43mm	200	24746	
	1000	24747	
0.25mL clear glass, conical, 6 x 39mm	100	27118-U	
	1000	27076	
0.275mL glass w/plastic flange	100	27443	
0.3mL glass w/top spring	100	27444	
0.3mL polypropylene w/top spring	100	27445	
Spring (for 0.30mL conical insert)	100	27086-U	
0.15mL clear glass w/bottom spring, 6 x 38mm	100	24748	
0.15mL polypropylene w/bottom spring, 6 x 38mm	100	24749	

Polypropylene Limited Volume Shell Vials With Starburst Conical Snap Plugs

These polypropylene limited volume shell vials, with uniquely designed conical interior, eliminate the need for glass vials and inserts. No tedious laboratory assembly is required. These vials work in 48-position autosamplers.

Precise conical design permits maximum sample evacuation. They are more effective and cost efficient than standard glass vials and inserts. The starburst design in the snap plug allows easy penetration.

DESCRIPTION	QTY.	CAT. NO.	PRICE
3mL SHELL VIALS, 15 x 45mm			
Polypropylene w/starburst conical snap plugs	100	27538	

Pre-Assembled Vials Kit

Includes each of the following (in packs of 100).

Screw top vials, 15 x 45mm,
 4mL glass inserts, 0.30mL clear glass,
 conical springs for 0.30mL conical insert
 closures, open top, phenolic, black septa,
 red PTFE/red rubber

DESCRIPTION	CAT. NO.	PRICE
4mL Screw Top Vials Kit		
Clear glass	27110	
Amber glass	27528	



Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Silane Treated Vials and Accessories

Silane-Treated Vials and Accessories

- Proprietary silane treatment shields active silanol groups on untreated glass surfaces
- Improved recovery of submicrogram polar compounds
- Save time and money

To obtain a quote on silane treatment for other sizes of glassware, please contact your Sigma-Aldrich representative.



P000376

BESCHREIBUNG	PK.	KAT. NR.	PREI
CRIMP TOP VIALS, 2mL			
Large Opening Vials, Silane-Treated, 12 x 32mm			
2mL clear glass,	100	27060-U	
large opening (6mm)	1000	27061	
2mL amber glass,	100	27225-U	
large opening (6mm)	1000	27216	
Aluminum Seals, Color Coded, 11mm			
w/PTFE/red rubber, silver	100	27102-U	
	1000	33233-U	
w/Red PTFE/silicone	100	27360-U	
	1000	27373	
w/Black Viton liner	100	27107	
	1000	33278-U	
w/Red PTFE/silicone/red PTFE	100	27108	
	1000	27109-U	
w/Removable center (no septa)	100	27099-U	
SCREW TOP VIALS, 2mL			
Standard Opening Vials, Silane-Treated, 12 x 32mm			
2mL clear glass	100	27029-U	
	1000	27030	
2mL amber glass	100	27238	
	1000	27219	
Open-Top Closures, Pre-Assembled			
Polypropylene			
w/red PTFE/silicone septa	100	27262	
Polypropylene KIM-LOK			
w/PTFE/silicone septa	100	27261-U	
Phenolic w/red PTFE/silicone septa	100	27093-U	
	1000	33242	

BESCHREIBUNG	PK.	KAT. NR.	PREI
SCREW TOP VIALS, 2mL (cont'd)			
Solid Caps, 8-425			
Phenolic, solid caps w/Teflon liner	100	27091-U	
Phenolic,			
solid caps w/aluminum liner	100	27092-U	
Phenolic, black, open top	100	27094-U	
Polypropylene, black, open top	100	27052	
	1000	24764	
Polypropylene, yellow, open top	1000	24765	
Septa for Screw Top Vials, 8mm			
Red PTFE/silicone/red PTFE, 0.040"	100	27096-U	
	1000	23182-U	
Tan PTFE/silicone, 0.065"	100	27095-U	
	1000	33213	
Red PTFE/white silicone, 0.065"	100	27097-U	
	1000	23243	
PTFE/red rubber	100	27132	
Standard Opening Vials, Silane-Treated, 15 x 45mm			
4mL clear glass	100	27114	
	1000	27220-U	
4mL amber glass	100	27217	
Open-Top Closures, 13-425			
Phenolic, black	100	27120-U	
Polypropylene, black	100	27053	
Polypropylene cap			
with PTFE/silicone liner, 0.065"	100	27018	
Solid Caps, 13-425			
w/PTFE liner	100	27141	
w/Aluminum liner	100	27142	
Septa for Screw Top Vials, 11mm			
Red PTFE/silicone/red PTFE, 0.040"	100	27122-U	
PTFE/red rubber	100	27145	
Tan PTFE/silicone septa, 0.060"	100	27144	
AMPULS AND INSERTS			
Ampuls, Silane-Treated			
2mL amber glass	144	27033	
Conical Inserts, Silane-Treated, 0.3mL			
Fit 15 x 45mm screw top vials	1000	27128-U	

Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Vials & Syringes

SUPELCO

Vials

SPME Autosampler Vials



Vials for Varian 8200 Autosampler

DESCRIPTION	QTY.	CAT. NO.	PRICE
LARGE OPENING 2mL VIALS WITH CAPS, PTFE/SILICONE SEPTA			
Clear, 2mL (12mm OD x 32mm)	100	27531	
Amber, 2mL (12mm OD x 32mm)	100	27532	
10mL SCREW TOP VIALS, WITH CAPS, PTFE/SILICONE SEPTA			
Clear, 10mL, Preassembled	100	27529	
Amber, 10mL, Preassembled	100	27530	
CAPS, SEPTA FOR 10mL SCREW TOP VIALS			
Vial only, clear (24.5mm x 52mm)	36	27387	
Vial only, amber (24.5mm x 52mm)	144	27388	
Vial only, clear (24.5mm x 52mm)	36	27389	
Vial only, amber (24.5mm x 52mm)	144	27390-U	
Cap with hole (22mm)	144	23236	
PTFE/silicone septa 0.125" thick, 20mm diameter	100	27236	
10mL CRIMP TOP VIALS (FOR THIN SEALS)			
Clear vials only, 10mL (24.5mm x 50mm)	36	27385	
Clear vials only, 10mL (24.5mm x 50mm)	144	27286	
CLOSURES FOR 10mL CRIMP TOP VIALS			
20mm seal with thin Viton septa (0.030")	36	33146-U	
20mm seal with thin Viton septa (0.030")	100	27245	
20mm PTFE/silicone septas (0.030")	100	27539	

Headspace Vials for CTC Autosampler (Combi PAL)*

DESCRIPTION	QTY.	CAT. NO.	PRICE
FLAT BOTTOM			
10mL clear glass (23mm x 46mm)	100	27198	
20mL clear glass (23mm x 75mm)	100	27199	
ROUND BOTTOM			
10mL clear glass (22.6mm x 46mm)	100	27294	
10mL clear glass (22.6mm x 46mm)	1000	27295	
20mL clear glass (22.6mm x 75mm)	100	27296	
20mL clear glass (22.6mm x 75mm)	1000	27297	
CLOSURES AND ACCESSORIES FOR BOTH 10mL AND 20mL VIALS			
Closures (Tin Plate, Magnetic Seals) with PTFE lined silicone			
	100	27300	
Adjustable crimper for 20mm seals	1	22316-U	
* Autosampler distributed by Leap, Varian and Gerstel			



Vials SPME Sampling Stand Vials



* Heating block not included

Vials for SPME Sampling Stand

DESCRIPTION	QTY.	CAT. NO.	PRICE
WITH 4mL VIAL HOLDER PUCK			
4mL screw top vials (15mm x 45mm)			
Clear, preassembled, phenolic caps & PTFE/silicone	100	27136	
Amber, preassembled, phenolic caps & PTFE/silicone	100	27006	
Vials only, clear	100	27111	
Vials only, clear	1000	27031	
Vials only, amber	100	27115-U	
Vials only, amber	1000	27032	
Vials only, clear silanized	100	27114	
Vials only, clear silanized	1000	27220-U	
Vials only, amber silanized	100	27217	
Open closures and septa for 4mL vials			
Phenolic cap with hole	100	27120-U	
White PTFE silicone septa (11mm)	100	27356	
White PTFE silicone septa	1000	27369-U	
Viton Septa (11mm)	100	27351	
Viton Septa	1000	27364	
WITH 15mL VIAL HOLDER PUCK			
15mL screw top vials (21mm x 70mm)			
Clear, preassembled, phenolic caps & PTFE /silicone	100	27159	
Amber, preassembled, phenolic caps & PTFE/ silicone	100	27008	

Vials for 40mL Heating Block

DESCRIPTION	QTY.	CAT. NO.	PRICE
40mL SCREW TOP VIALS (29mm x 81mm only)			
Clear, preassembled, phenolic cap and PTFE/silicone	100	27180	
Amber, preassembled, phenolic cap and PTFE/silicone	100	27010-U	
Vial only, clear	100	27184	
Vial only, amber	100	27185-U	
CLOSURES FOR 40mL VIAL			
Phenolic caps with hole	100	27187	
Viton septa (22mm)	100	27355	
PTFE/Silicone septa	100	27188-U	

Manual SPME Sampling Stand

Holds eight vials while supporting the SPME syringe for consistent fiber immersion depth. Cat. No.57333-U accommodates 4mL vials only. Cat. No. 57357-U accommodates 15mL vials. Order the 15mL vial puck (Cat. No. 57358-U) as a replacement for the 15mL unit, or to use 15mL vials with the 4mL unit. Not for use with automated / HPLC fiber holders.



Heat/Stir Plate

Fits compactly on the base of the SPME sampling stand. Heating range is 40-550°C, stirring range is 60-1200rpm.

40mL Vial Holder

Use this aluminum block for heating/stirring during headspace SPME sampling of odors or other volatiles. Holds six 40mL vials.

DESCRIPTION	CAT. NO.	PRICE
SPME sampling stand for 4mL vials	57333-U	
SPME sampling stand for 15mL vials	57357-U	
Vial puck for 15mL vials	57358-U	
40mL Vial Holder	33313-U	
Corning heat/stir plate, 120VAC	Z262129-1EA	
Thermometer, 5"	57332	

Order: 1.800.325.8610 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Vials

Crimp Top Autosampler Vials

VIALS TAKING 8mm CRIMP SEALS

CHROMACOL VIALS, 6 x 32mm

Use with:
Waters 96-Position Autosampler



27283

VIALS TAKING 8mm CRIMP SEALS

CHROMACOL UNI-VI VIALS, 7 x 30mm, 7 x 32mm

Use with:

Agilent / HP (not 1090A)	PU 4247
Autometric 4100	Shimadzu AOC-14/1400
Beckman 501/502/507	SIL 6B/9A/LC-1
Dani ALS 86.80	Spark Promis
LDC Marathon, Promis	Spectra-Physics
Perkin-Elmer Integral 4000	



27314

27312

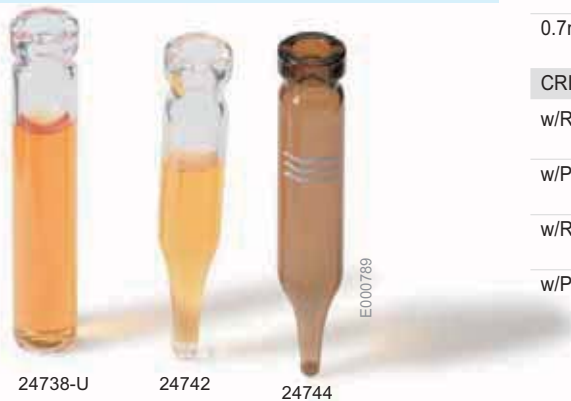
27316 + 27312

VIALS TAKING 8mm CRIMP SEALS

7 x 40mm

Use with:

Beckman 504	Gilson 231-401, 232-401
Carlo Erba AS200S, A200S	(Rack 9) (not ASPEC)
du Pont	ICI LC1600
Finnigan A200S	Phillips S4, S8, 4700LC/GC
	SGE LS-3200



24738-U

24742

24744

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
0.2mL clear glass, tapered bottom	200	27283	
	1000	27284	
0.3mL clear glass, round bottom	200	24725	
	1000	24726	
CRIMP SEALS, 8mm			
w/Red PTFE/silicone/red PTFE	200	33265-U	
	1000	33266-U	
w/PTFE/silicone	200	33273-U	
	1000	33274-U	
w/Red PTFE/silicone	100	27359	
	1000	27372	
w/PTFE/red rubber	200	33135-U	
	1000	33136	

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
0.6mL amber glass, conical (7 x 30mm)	200	27312	
	1000	27313	
0.8mL amber glass, round bottom (7 x 32mm)	100	27314	
	1000	27315	
PTFE support sleeve (required with above)	40	27316	
CRIMP SEALS, 8mm			
w/Red PTFE/silicone/red PTFE	200	33265-U	
	1000	33266-U	
w/PTFE/silicone	200	33273-U	
	1000	33274-U	
w/Red PTFE/silicone	100	27359	
	1000	27372	
w/PTFE/red rubber	200	33135-U	
	1000	33136	

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
0.8mL clear glass	200	24738-U	
	2000	24739	
0.8mL amber glass	200	24740-U	
	2000	24741	
0.7mL clear glass, conical	200	24742	
	1000	24743	
0.7mL amber glass, conical	200	24744	
	1000	24745	
CRIMP SEALS, 8mm			
w/Red PTFE/silicone/red PTFE	200	33265-U	
	1000	33266-U	
w/PTFE/silicone	200	33273-U	
	1000	33274-U	
w/Red PTFE/silicone	100	27359	
	1000	27372	
w/PTFE/red rubber	200	33135-U	
	1000	33136	

Crimp Top, Snap Plug Autosampler Vials

VIALS TAKING 8mm CRIMP SEALS

8 x 30mm

Use with:

Carlo Erba AS-V60
Dynatech GC1111, 60, GC311
Hitachi AS-2000, AS-4000

Perkin-Elmer AS100, LC600(60),
AS2000, AS100B, AS300,
LLLC30, 2000, B2000
Sigma 2000



DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
0.5mL clear glass	200	33275	
	1000	33276	
0.5mL amber glass	200	24723	
	2000	24724	
CRIMP SEALS, 8mm			
w/Red PTFE/silicone/red PTFE	200	33265-U	
	1000	33266-U	
w/PTFE/silicone	200	33273-U	
	1000	33274-U	
w/Red PTFE/silicone	100	27359	
	1000	27372	
w/PTFE/red rubber	200	33135-U	
	1000	33136	

VIALS TAKING 8mm SNAP PLUGS

VIALS WITH POLYPROPYLENE PLUGS, 8 x 35mm

Use with:

Alcott 728



DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
0.75mL clear glass	200	24727	
	1000	24728	
0.75mL amber glass	200	24729	
	1000	24730	
DISPLACEMENT PLUGS			
Polypropylene, blue	100	27289	

VIALS TAKING 8mm SNAP PLUGS

8 x 40mm

Use with:

Shmiadzu 10A Autosampler
Waters 96-Position Autosampler



DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
1mL clear glass, without closure	200	33320-U	
	1000	33325-U	
1mL amber glass, without closure	1000	24732	
1mL clear glass, with closure	200	33321-U	
	1000	33326	
1mL amber glass, with closure	250	27290	
	1000	27291	
0.7mL shell vials (polypropylene w/starburst conical snap plugs)	100	27537	
SNAP PLUG CLOSURES, COLOR CODED, 8mm			
Natural	200	33322-U	
	1000	33327	
Red	200	33323	
	1000	33328-U	
Blue	200	33324	
	1000	33329	
INSERTS AND SPRINGS FOR 8 x 40mm VIALS			
0.20mL clear glass conical (requires spring)	200	24733	
	1000	24734	
Spring for 24733 & 24734	200	24735	
0.10mL clear glass conical w/bottom spring	100	24737	
0.15mL polypropylene w/bottom spring	100	24708	

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Vials & Syringes

SUPELCO

Vials

Crimp Top Autosampler Vials

VIALS TAKING 11mm CRIMP SEALS

12 x 32mm

Use with:

Agilent / HP 7673 series I/II, 7670A, 7671A, 1042, 1090, 8042, 1050, 1082, 1080, 1084, 7683	Carnegie CMA 230/200 Chrompack Dani 39.80, ALS 39.80 Dynatech 42	Perkin-Elmer Autosystem, ISS 100, ISS 200, 400, LC600(42), 4900, 420B Phillips LC-XP	Varian 8100, 8200, Marathon, LC 9100/9095
AIM C x PS-200 A.I. (42 vial tray)	Finnigan 200S Gilson (Rack 30P)	Precision Sampling GC111, GC311, LC241	
Alcott 738	Gynkotek	Shimadzu AOC-14/1400, SIL- 6B/9A	
Altex	Hitachi AS-2000, AS-4000	Spark	
AMS 42	IBM	Spectra-Physics 7110, 8110	
Antek 736	Infochroma	Talbot	
ASC	Kipp	TosoH TSK-6080	
Beckman 501, 507	Kontron 360	United Technologies	
Carlo Erba AS V42, AS 105	Packard		



Crimp Top Vials, 4.6mm Opening

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
2mL clear glass	100	27068-U	
	1000	27069	
2mL amber glass	100	27070-U	
	1000	27071-U	
INSERTS			
Shell style	100	24701	
0.25mL clear glass, 5 x 31mm	1000	24702	
Conical style	200	24703	
0.10mL glass, 5 x 31mm	1000	24704	
0.15mL glass w/polyflange, 5 x 29mm	100	24705	
0.15mL glass w/bottom spring, 5 x 29mm	100	24707	
0.15mL polypropylene w/bottom spring, 5 x 30mm	100	24708	



Crimp Top Vials, 6.0mm Opening

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
2mL clear glass	100	27058	
	1000	27059	
2mL amber glass	100	27064	
	1000	27065	
2mL clear glass with marking spot	100	27062-U	
	1000	27063	
2mL amber glass with marking spot	100	27066-U	
	1000	27067-U	
INSERTS			
Shell style	100	24715	
0.35mL clear glass, 6 x 31mm	1000	24716	
Conical style			
0.25mL glass, 6 x 31mm	100	24717	
0.15mL glass w/top spring, 6 x 29mm	100	24719	
	1000	24720	
0.20mL glass w/bottom spring, 6 x 29mm	100	24721	
0.20mL polypropylene w/bottom spring, 6 x 29mm	100	24722	

Convenience Packs: Vials and Seals

Multi-pack combinations of 2mL large opening vials and 11mm PTFE/red rubber aluminum seals.

DESCRIPTION	QTY.	CAT. NO.	PRICE
Clear	100	27239	
	1000	27240-U	
Amber	100	27241	
	1000	27242-U	

Vials Crimp Top Autosampler Vials

VIALS TAKING 11mm CRIMP SEALS

12 x 32mm

Use with autosamplers listed on previous page.

Maximum Recovery
Clear Glass Vial
27274



Vial with
Conical Bottom
27333



Crimp Top Vials, Special Varieties

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS, LARGE OPENING			
Maximum recovery vials, 1.5mL AP-2000, clear	100	27274	
Limited volume vials, 0.1mL, clear glass	100	24714	
MICRO VIALS, STANDARD OPENING, CONICAL			
0.1mL clear glass	12	33208	
	144	33232	
0.1mL polypropylene	100	27075-U	
	1000	33217-U	
0.1mL plastic w/glass cone	100	27074-U	
0.6mL plastic w/glass cone	100	33255-U	
VIALS, TAPERED BOTTOM			
1.1mL clear glass	100	27310	
	1000	27311	
SUPPORT SLEEVES, PTFE, NONDISPOSABLE			
For 27310 or 27311	50	27335	
VIALS, CONICAL BOTTOM			
0.9mL clear glass, 10 x 32mm	125	27333	

11mm Crimp Seals

DESCRIPTION	QTY.	CAT. NO.	PRICE
CRIMP SEALS, COLOR CODED, 11mm			
w/PTFE/red rubber, silver	100	27102-U	
	1000	33233-U	
w/PTFE/red rubber, red	100	27103	
	1000	27473	
w/PTFE/red rubber, blue	100	27104	
	1000	27381	
w/PTFE/red rubber, gold	100	27105	
	1000	27474	
KOMBO Pack (12 colors, 25 of each color)			
w/Red PTFE/silicone, silver	100	27360-U	
	1000	27373	
w/White PTFE/white silicone, silver	100	27214-U	
	1000	27215	
w/Black Viton liner, silver	100	27107	
w/Red PTFE/silicone/red PTFE, silver	100	27108	
	1000	27109-U	
w/Removable center (no septa), silver	100	27099-U	
CRIMPERS AND DECAPPERS, 11mm			
Hand crimper	1	33195	
Pliers-type decapper	1	33281	
Hand decapper	1	33181-U	

KIM-BIN Work Station

A convenient way to organize your vials. Available filled with supplies or unfilled. Cat. No. 27231-U includes 3000 clear large opening 2mL vials, PTFE/red rubber 11mm septa, and seals. Cat. No. 27264-U includes 2000 clear screw top 2mL vials (standard opening), red PTFE/silicone septa, and black phenolic closures (recommended for Varian and Spectra Physics autosamplers).



DESCRIPTION	CAT. NO.	PRICE
Station with Crimp Top Vials	27231-U	
Station with Screw Top Vials	27264-U	
Unfilled Station	27263	

Order: 1.800.325.3010 Web: www.sigma-aldrich.com/supelco

Vials

Snap Top Autosampler Vials

VIALS TAKING 11mm SNAP TOP SEALS

LARGE OPENING, 12 x 32mm

Use with:

Agilent / HP 7673 series I/II, 7670A, 7671A, 1042, 1090, 8042, 1050, 1082, 1080, 1084	Hitachi AS-2000, AS-4000 Infochroma
AIM CPS-200	Kipp Packard
A.I. (42 vial tray)	Perkin-Elmer Autosystem, ISS
Alcott 738	100, 200, 400, LC600(42), 4900, 420B
Altex	Phillips LC-XP
AMS 42	Precision Sampling GC111, GC311, LC241
Antek 736	Shimadzu AOC-14/1400, SIL- 6B/9A
ASC	Spark
Beckman 501, 507	Spectra-Physics 7110, 8110
Carlo Erba AS V42, AS 105	Talbot
Carnegie CMA 230/200	TosoH TSK-6080
Chrompack	United Technologies
Dani 39.80, ALS 39.80	Varian 8100, 8200, Marathon, LC 9100
Dynatech 42	
Finnigan 200S	
Gilson (Rack 30P)	
Gynkotek	



27249



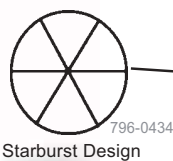
24752



27253



24722



Starburst Design



27427

E000813

Snap Top Vials, Large Opening

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS			
2mL clear glass	100	24750-U	
	2000	24751	
2mL amber glass	100	24752	
	2000	24753	
2mL clear glass w/marketing spot	100	27249	
	1000	27250-U	
2mL amber glass w/marketing spot	100	27251	
	1000	27252	
0.75mL polypropylene	100	27253	
	1000	27254	
0.50mL polypropylene	100	27422	
0.10mL polypropylene	100	27423	
POLY-CRIMP SEAL CAPS			
w/PTFE liner	100	24754	
w/PTFE/red rubber	100	24756	
w/PTFE/silicone liner	100	24758	
w/PTFE/silicone with slit	100	27426	
w/PTFE/silicone with starburst	100	27427	
w/PTFE/silicone/PTFE with starburst	100	27428	
w/PTFE/silicone/PTFE	100	24760-U	
GC-SNAP RINGS (tighter seal for pressurized systems)			
Polypropylene with PTFE/rubber septa	100	27430-U	
Polypropylene with PTFE/silicone/PTFE septa	100	27432	
INSERTS, SHELL STYLE			
0.35mL clear glass, 6 x 31mm	100	24715	
	1000	24716	
INSERTS, CONICAL			
0.25mL glass, 6 x 31mm	100	24717	
0.15mL glass w/top spring, 6 x 29mm	100	24719	
0.20mL glass w/bottom spring, 6 x 29mm	100	24721	
0.20mL polypropylene w/bottom spring, 6 x 29mm	100	24722	
0.25mL polypropylene w/plastic flange (for step vial)	100	27409	
0.25mL glass w/glass flange (for step vial)	100	27407	

Vials Crimp Top Vials



Crimp Top Vials, 2mL to 100mL

These vials are constructed of clear, borosilicate glass.

DESCRIPTION	QTY.	CAT. NO.	PRICE
2mL VIALS AND CLOSURES (11mm DIAMETER)			
Vials only (12 x 32mm), 2mL, clear♦	100	27058	
	1000	27059	
Vials only (12 x 32mm), 2mL, amber♦	100	27064	
	1000	27065	
2.5mL VIALS (13mm DIAMETER)			
Vials only (11.7 x 34.5mm), 2.5mL	288	33121	
Closures for 33121			
Crimp seals, removable center, no septum	100	27222-U	
Crimp seals, removable center, PTFE/rubberseptum	100	27223	
	1000	27451	
Crimp seals, silver w/PTFE/silicone liner	100	27452	
PTFE/rubber septum	100	27156	
Butyl stopper	100	27224	
Red rubber stopper	100	27226	

Accessories for 2mL-2.5mL Crimp Top Vials

DESCRIPTION	QTY.	CAT. NO.	PRICE
ALUMINUM CRIMP SEALS, 13mm			
Removable center	100	27222-U	
ALUMINUM CRIMP SEALS, 11mm			
Open center	100	27099-U	
STOPPERS, 13mm			
Butyl	100	27224	
Red rubber	100	27226	
STOPPERS, 11mm			
Butyl♦	100	27100-U	
SEPTA, 11mm			
Teflon/red rubber♦	100	27101	

♦ For standard opening vials – 4.6mm.

Crimpers and Decappers

DESCRIPTION	CAT. NO.	PRICE
8mm		
Hand Crimper	33272-U	
Pliers-type Decapper	33284	
Hand Decapper	33180-U	
11mm		
Hand Crimper	33195	
Hand Crimper, Adjustable	22313-U	
Pliers-type Decapper	33281	
Hand Decapper	33181-U	
13mm		
Hand Crimper	33279-U	
Pliers-type Decapper	33282	
Hand Decapper	33182-U	
20mm		
Hand Crimper	33280-U	
Hand Crimper, Adjustable	22316-U	
Pliers-type Decapper	33283	
Hand Decapper	33183	



33195



33281

Vials

Crimp Top Headspace Vials



Headspace Vials Taking 20mm Crimp Seals

DESCRIPTION	QTY.	CAT. NO.	PRICE
VIALS, BEVELED FINISH			
6mL clear glass (22 x 38mm)	100	27292	
	1000	27293	
6mL clear glass (23 x 38mm)	100	27197	
10mL clear glass (23 x 46mm)	100	27198	
10mL clear glass (22.6 x 46mm)	100	27294	
	1000	27295	
20mL clear glass, flat bottom (23 x 75mm)	100	27199	
20mL clear glass, round bottom (22.6 x 75mm)	100	27296	
	1000	27297	
27mL clear glass (30 x 60mm)	100	27298	
	1000	27299	

Convenience Packs

Each pack contains 100 crimp top vials (20mm) and 100 pressure release aluminum seals.

SEAL DESCRIPTION	CAT. NO.	PRICE
10mL VIAL CAPACITY		
With PTFE/silicone	27303-U	
With PTFE/butyl rubber	27304-U	
20mL VIAL CAPACITY		
With PTFE/butyl	27305-U	
With PTFE/silicone	27306	
With PTFE/butyl rubber	27307	



Serum Bottles, 5mL to 100mL

These vials are constructed of clear, borosilicate glass.

DESCRIPTION	QTY.	CAT. NO.	PRICE
SERUM BOTTLES, 5-100mL VIALS (20mm DIAMETER)			
Vials only (25 x 40mm), 5mL, clear	36	33102-U	
	288	33103	
Vials only (25 x 40mm), 5mL, amber	36	33141-U	
Vials only (25 x 50mm), 10mL, clear	36	33104	
	288	33105-U	
Vials only (25 x 50mm), 10mL, amber	36	33143	
	288	33144	
Vials only (36.6 x 62.8mm), 30mL, clear	36	33106	
	288	33107-U	
Vials only (43 x 73mm), 50mL, clear	36	33108-U	
	272	33109-U	
Vials only (51.7 x 94.5mm), 100mL, clear	36	33110-U	
	144	33111-U	

Accessories for Crimp Top Headspace Vials

Accessories for Vials w/20mm Opening

DESCRIPTION	QTY.	CAT. NO.	PRICE
ALUMINUM CRIMP SEALS/SEPTA, 20mm			
Open center, PTFE/rubber septum [■]	100	27454-U	
Open center, PTFE/silicone septum [■]	100	27455-U	
Removable center, PTFE red rubber septum [■]	100	27228	
Tin plate, open center, PTFE/silicone septum ^{■▲}	100	27300	
Open center, PTFE/white silicone, 2 mil PTFE septum	100	27229	
Open center, white PTFE/white silicone, 5 mil PTFE septum	100	27362	
	1000	27375	
Tin plate, open center, PTFE/butyl rubber septum	100	27301-U	
Open center, Viton septum	36	33146-U	
Open center, black Viton septum [▲]	100	27245	
	1000	27246	
ALUMINUM CRIMP SEALS, 20mm w/o SEPTA			
Open center	100	27227-U	
Open center	100	27230-U	
Tear away center	100	27016	
Tear away center [■]	100	27200	
SEPTA, 20mm			
Black Viton [◆]	100	27247	◆
	1000	27248-U	
PTFE/Teflon faced butyl	100	27201	
PTFE/Teflon/rubber	100	27233	
PTFE/Teflon (2mil)/silicone (125 mil total)	100	27236	
PTFE/Teflon (10mil)/silicone (100 mil total)	100	27237-U	
Barrier (foil/silicone)	100	27189	
PTFE/silicone (60 mil total)	100	27541	
PTFE/silicone (125 mil total, 5/120)	100	27361	
	1000	27374	
Thermoseal	100	27540-U	
STOPPERS, 20mm			
Gray Butyl	100	27232	
Red rubber	100	27234	
Silicone	100	27235-U	

■ For 6mL, 10mL, 20mL headspace vials.

▲ For use with Carlo Erba HS 500 & 700, Leap HS 500, and CTC Combi-PAL autosamplers.

◆ This septum is thinner than most (0.030"), and requires the use of an adjustable crimper.

Mininert Valves for Crimp Top Vials

- Fit 5-100mL vials (20mm seal)
- Install without tools
- Inert Teflon construction

DESCRIPTION	QTY.	CAT. NO.	PRICE
Mininert valves	12	33305	
Replacement septa	50	33310-U	
Septum inserter	1	33311	



Order: 1.800.325.3010 Technical Service: 1.800.359.3041 Web: www.sigma-aldrich.com/supelco

Vials & Syringes

SUPELCO

27454-U



P000339

Pressure Release,
Open Center

508500



P000336

Open Center

27227-U



P000338

Removable Center

27016



P000892

Tear Away

Black Viton Septa



P000337



P000341

Teflon/Rubber
Septa

Stoppers



P000342

33305



E000825

Mininert Valves

Vials Precognized Sampling Containers



P000893

Precognized Vials

Cleaned for water sampling according to US EPA 40CFR 136, Guidelines for Establishing Test Procedures for the Analysis of Pollutants. These vials are assembled with open-top screw caps and specially designed septa (10 mils of Teflon facing on 90 mils of silicone). Clear vials are made of Wheaton-33 low extractable borosilicate glass. Amber vials are Wheaton-320 borosilicate glass.



P000368

Precognized Containers

The following containers are cleaned according to US EPA protocol B. Black polypropylene cap with 0.030" Teflon liner.

CAPACITY	CAP SIZE	QTY.	CAT. NO.	PRICE
CLEAR GLASS				
2mL	8-425	100	27339	
4mL	13-425	100	27340	
7mL	15-425	100	27341	
15mL	18-400	100	27342	
22mL	20-400	100	27343	
40mL (28 x 98mm)	24-400	72	23188	
AMBER GLASS				
2mL	8-425	100	27344	
4mL	13-425	100	27345	
7mL	15-425	100	27346	
15mL	18-400	100	27347	
22mL	20-400	100	27348	
40mL (28 x 98mm)	24-400	72	23189	
REPLACEMENT SEPTA FOR 40mL SAMPLING VIALS				
10 mil Teflon/90 mil silicone		100	27188-U	

CAPACITY	CAP SIZE	QTY.	CAT. NO.	PRICE
CLEAR GLASS, TALL, WIDE MOUTH				
4 oz.	48/400	24	24551-U	
8 oz.	58/400	24	24552	
16 oz.	63/400	12	24553-U	
32 oz.	89/400	12	24554	
CLEAR GLASS, TALL, NARROW MOUTH				
32 oz.	33/400	12	24550-U	
AMBER GLASS, SHORT, WIDE MOUTH				
4 oz.	38/400	12	24555	
8 oz.	45/400	12	24556	
16 oz.	53/400	12	24557-U	
32 oz.	53/400	12	24558	
AMBER GLASS, SHORT, NARROW MOUTH				
32 oz.	33/430	12	24559	
AMBER GLASS JUG, NARROW MOUTH				
80 oz.	38/430	6	24560	
128 oz.	38/430	4	24561	

Vials Micro Volume Containers

Micro Reaction Vessels

Cone shaped inside for easy removal of small samples. Heavy wall borosilicate glass. Supplied with Teflon-faced red rubber septum and cap. Can be autoclaved or centrifuged.



Accessories for Micro Reaction Vessels

DESCRIPTION	QTY.	CAT. NO.	PRICE
PHENOLIC HOLE SCREW CAPS			
13mm	100	27120-U	
15mm	100	27154	
20mm	100	27176	
24mm	100	27187	
SEPTA			
For 13mm screw cap	100	27145	
For 15mm screw cap	100	27156	
For 20mm screw cap	100	27178	
For 24mm screw cap	100	27188-U	
MININERT VALVES			
For 13mm screw cap	12	33300	
For 15mm screw cap	12	33301	
For 18mm screw cap	12	33302	
For 20mm screw cap	12	33303	
For 24mm screw cap	12	33304	
For 20mm crimp top	12	33305	
Replacement septa	50	33310-U	
Septum inserter	1	33311	
CRIMP SEALS			
For 2mL & 5mL vessels	100	27229	
MAGNETIC STIRRING BARS (TRIANGULAR)			
For 0.1-2.0mL vessels	6	23226	
For 3.0-5.0mL vessels	6	23227	

Screw Top Vessels with Caps and Septa

CAPACITY	OD/HT./DEPTH	CAP	QTY.	CAT. NO.	PRICE
CLEAR GLASS (GRADUATED)					
With hole cap					
0.1mL	16.5 x 32 x 16mm ▲	15mm	12	33289	
0.3mL	16.5 x 34 x 23mm ▲	15mm	12	33291	
1mL	16.5 x 40 x 33mm ▲	15mm	12	33293	
2mL	16.5 x 58 x 48mm ▲	15mm	12	33295	
3mL	20.5 x 42 x 42mm ▲	20mm	12	33297	
5mL	20.5 x 61 x 58mm ▲	20mm	12	33299	
10mL*	24.0 x 72mm ▲	24mm	12	27479	
With solid cap					
0.1mL	16.5 x 32 x 16mm ▲	15mm	12	27034	
0.3mL	16.5 x 34 x 23mm ▲	15mm	12	27035	
1mL	16.5 x 40 x 33mm ▲	15mm	12	27036	
2mL	16.5 x 58 x 48mm ▲	15mm	12	27037	
3mL	20.5 x 42 x 42mm ▲	20mm	12	27038-U	
5mL	20.5 x 61 x 58mm ▲	20mm	12	27039	
AMBER GLASS					
With hole cap					
1mL	13 x 41mm ■	13-425	12	27475-U	
2mL	20 x 41mm ■	20-400	12	27476	
3mL	20 x 47mm ■	20-400	12	27477-U	
5mL	20 x 62mm ■	20-400	12	27478-U	

▲ Height with cap; depth from septum to bottom of cone.
 ■ Height without cap.
 * Not graduated.

Crimp Top Vessels

CAPACITY	DIAMETER	QTY.	CAT. NO.	PRICE
2mL	20mm	12	27377	
5mL	20mm	12	27378	



Plastic Coated Storage Bottles, Caps Included

DESCRIPTION	QTY.	CAT. NO.	PRICE
100mL 10 x 59mm	12	23171	
500mL 187 x 91mm	12	23172	
1000mL 224 x 104mm	12	23173	
Caps (GL-45) polypropylene w/seal ring, 45mm	12	23170-U	

3041 Web: www.sigma-aldrich.com/supelco

Order: 1.800.325.30

Vials

Sampling and Storage Containers

Large Amber Screw Top Septum Bottles

Protect your sample from sunlight. Only glass and Teflon contact the contents.



DESCRIPTION	QTY.	CAT. NO.	PRICE
30mL (32 x 80mm)			
Bottles w/hole cap, Teflon/silicone septa	12	23228	
Bottles	12	23232	
Hole caps, no septa	100	27176	
Solid caps, polyseal liner	144	23238	
Septa, Teflon/silicone	144	23242-U	
60mL (38 x 95mm)			
Bottles w/hole cap, Teflon/silicone septa	12	23229	
Bottles	12	23233	
Hole caps, no septa	100	27176	
Solid caps, polyseal liner	144	23238	
Septa, Teflon/silicone	144	23242-U	
120mL (49 x 114mm)			
Bottles w/hole cap, Teflon/silicone septa	12	23230-U	
Bottles	12	23234	
Hole caps, no septa	144	23236	
Solid caps, polyseal liner	144	23240-U	
Septa, Teflon/silicone			
2 mil Teflon, 0.120"	100	27236	
10 mil Teflon, 0.100"	100	27237-U	
240mL (61 x 143mm)			
Bottles w/hole cap, Teflon/silicone septa	12	23231	
Bottles	12	23235	
Hole caps, no septa	144	23237	
Solid caps, polyseal liner	144	23241	
Septa, Teflon/silicone	144	23245-U	

Screw Top Mini Flasks

Heat resistant borosilicate glass flasks provide an inert seal when used with a hole cap and Teflon silicone septum (included) or a Mininert valve. Excellent for liquid-liquid extraction of trihalomethanes from drinking water. Also useful for sample collection, solution preparations, derivatization reactions, extractions, and many other applications.



DESCRIPTION	QTY.	CAT. NO.	PRICE
10mL	12	64715	
25mL	12	64716-U	
Screw caps w/hole, 20mm	12	27176	
Septa, PTFE/silicone	100	27177	
Mininert valves, 20mm	12	33303	



Crimpers and Decappers

DESCRIPTION	CAT. NO.	PRICE
8mm		
Hand Crimper	33272-U	
Pliers-type Decapper	33284	
Hand Decapper	33180-U	
11mm		
Hand Crimper	33195	
Hand Crimper, Adjustable	22313-U	
Pliers-type Decapper	33281	
Hand Decapper	33181-U	
13mm		
Hand Crimper	33279-U	
Pliers-type Decapper	33282	
Hand Decapper	33182-U	
20mm		
Hand Crimper	33280-U	
Hand Crimper, Adjustable	22316-U	
Pliers-type Decapper	33283	
Hand Decapper	33183	