SUPELCO

VIALS

Autosampler Vials

Headspace Vials

SPME Vials

Silanized Vials

Precleaned Vials

Vial Accessories

SIGMA-ALDRICH

Vials, Caps, Septa and Vial Accessories

Choose Sigma-Aldrich Products for Consistent Results in Your Chromatographic Applications

Too easily overlooked, the vials, caps and septa that come in contact with the sample are a critical component of a successful analysis. *Structurally*, they must ensure a tight and secure fit in the analytical instrument. *Compositionally*, they must be able to withstand chemical and mechanical forces within a defined range. *Chemically*, they must be inert and not introduce extraneous compounds into the sample that can interfere with the analysis.

Our experts within the diverse analytical disciplines have chosen the best vials, caps, septa and accessories that meet the demands of today's instruments, samples and measurement techniques. We offer products that fit autosamplers from all major instrument manufacturers, and that have the cleanliness, quality and reproducibility to guarantee a successful analysis. Not stagnant, our line of vials, caps and septa is expanding to keep pace with new analytical instrumentation and metrological challenges. As with all of our products, they are backed by Sigma-Aldrich's commitment to innovation, quality and service.

Customization: An Example of Sigma-Aldrich's Dedication to Complete Customer Satisfaction

Custom Vials and Accessories

If you cannot find the vials, cap, septa or other vial accessory you need in this catalog, on our website or by speaking with one of our technical service representatives, we would be happy to try to find the right product for you. Custom orders follow the same prompt delivery and competitive pricing as our stocked products.

Custom Deactivation

The adsorptive character of glass surfaces can lead to low analyte recovery, especially with polar compounds. Silanization – a reaction between surface silanols and special reagents – is an effective technique to deactivate glass surfaces to prevent adsorption. We offer a range of pre-silanized glassware, and can silanize other glass products to meet your criteria and sensitivity demands.

Contract Pricing

Routine analysis can consume large quantities of vials, caps and septa. To help you keep your costs down, we offer special pricing for large orders. Please contact our customer service department for a quotation.

Accelerating Our Customers' Success through Leadership in ***Life Science***, ***High Technology*** *and* ***Service***

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Vials, Caps and Septa

General Information

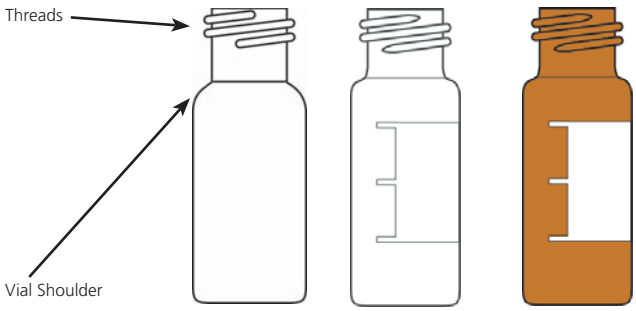
Autosampler vials are classified by the diameter of the body of the vial, the height of the vial, and, the thread finish. Vial volumes are nominal. For example, various manufacturers describe a 12mm x 32mm vial as having a volume of 1.5 mL, 1.8 mL, or 2 mL. Clear glass and amber glass offer essentially the same inertness. Amber glass protects sensitive samples from exposure to UV light. The marking spot available on many vials provides a convenient place for sample identification information.

Vials

The wide variety of analytical instruments available requires a wide variety of sample vials. The most commonly used types are pictured below.

Universal 9mm Vial

The universal or 9mm vials were designed for use in autosamplers with robotic arms. There is a gap between the bottom of the cap and the shoulder of the vial that allows the robotic arm to grab the vial. Both 9mm screw caps and crimp seal caps can be used to close these vials. They are available in clear and amber glass, with or without marking spots.



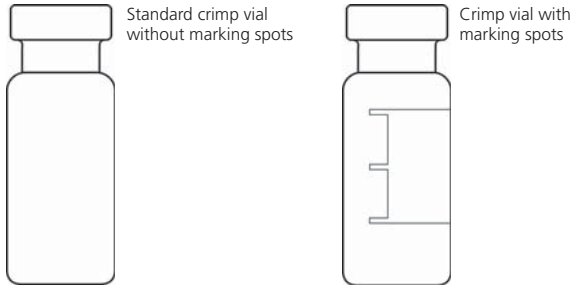
Screw Thread Vials

Screw thread vials are used on many autosamplers. These vials are now available in the standard opening version (4.6mm) or the larger opening style (6.0mm).

The larger opening vial was created to prevent needle damage. The threads on the standard vials are much longer than the new universal vial. The results are that the bottom of the cap will rest on the shoulder of the vial and can not be used with robotic systems. The thread on the standard opening vial is 8-425 and the thread on the larger opening vial is 10-425. The caps on both of these products are unique and are not interchangeable.

Crimp Top Vials

Crimp top vials provide the best seal of any vials. Crimp top vials also have a large opening finish (6.0mm) and are available in both clear and amber glass, with and without marking spots on the vial.



Snap Top Vials

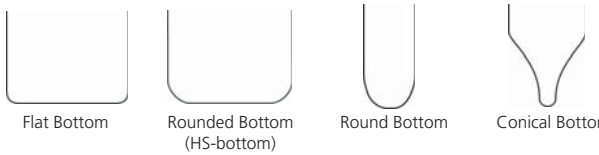
These vials are ideal for high throughput analyses. The polyethylene caps used with snap top vials offer a positive seal, yet are quickly and easily attached and removed without the use of crimping or decapping tools. They are available in clear glass and amber glass, with or without marking spots. Snap top vials should not be used for long term storage.

Vial Finish

There are many designs in vials in both the top finish and the bottom finish. The information below will help you to determine which vial to purchase.

Design of Neck:

Design of Bottom:



Crimp Caps

Crimp caps are available in the four styles shown below. They are also available open center aluminum and open center magnetic with various septa.

27454-U

P000339

Pressure Release, Open Centre

508500

P000336

Open Centre

27227-U

P000338

Removable Centre

Tear Away

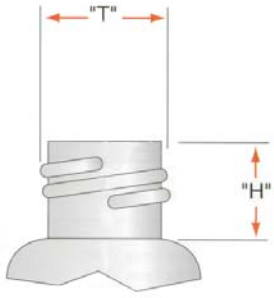
P000892

Screw Caps

Screw caps are available as hole caps for use with sealing septa and solid caps with aluminum or PTFE liners. Caps are offered in polypropylene or phenolic resin. Polypropylene caps have a maximum temperature of 135° C while phenolic hole caps have a maximum temperature of 149° C and solid phenolic caps have a maximum temperature of 205° C.

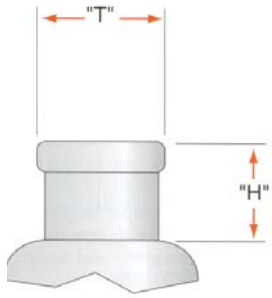
Cap Thread Specifications

Thread Specifications
"T" = Outer diameter of the thread
"H" = Distance from top of finish to shoulder for closure clearance



G003613

Standard Screw Thread Finish
"T" = Outer diameter of cap
"H" = Distance from top to shoulder for crimp and robotic arm clearance



G003614

GPI Thread Finish

The "Glass Packaging Institute" is responsible for establishing and issuing standards in the glass industry. When a cap is designed as 8-425, it means that the diameter across the threaded area is approximately 8 millimeters. The number 425 designates a specific height of the cap. The table below shows the dimensions.

"T" Dimension in mm	"H" Dimension in mm	
	400	425
8		6.52
10		6.86
13		7.50
15		7.50
18	9.05	
20	9.50	
22	9.50	
24	10.25	

Septa

Vial septa are available in a variety of materials. Septa are selected based on the chemical properties of the sample and the temperature to which the vial will be subjected during the analysis. Several septa are available with either slits or a starburst pattern pre-cut into them. These cuts provide a secure seal, but allow easy penetration by the autosampler needle. The various types of septa, their properties and incompatibilities are listed in the table below.

Septa Selection Guide

Septa	Use with	Avoid	Resealability	Temperature Limit
Barrier (aluminum faced silicone)	Non-permeability and low volatility applications	Acetonitrile, benzene, chloroform, hexane, pyridine, THF, toluene	Good	350°C
Butyl	Acetic acid(<50%), acetonitrile, acetone, alcohols, DMSO, phenol	Alkanes, benzene, carbon disulfide, chlorinated solvents, cyclohexane	Excellent	200°C
Red Rubber	Acetonitrile, alcohols, cyclohexane, many hydrocarbons	Chlorinated solvents	Good	100°C
Silicone	Acetone, alcohols, DMSO, ether, aqueous samples	Acetonitrile, benzene, chloroform,hexane, pyridine, THF	Good	250°C
PTFE/Rubber	Most organic solvents until PTFE is pierced then septa will have the rubber compatability	Aromatics, carbon disulfides, chlorinated solvents, hydrocarbons	Good	100°C
PTFE/Silicone	Most organic solvents until PTFE is pierced then septa will have the silicone compatibility	Chlorosilanes	Good	250°C
PTFE/ Thermoseal (High temperature)	Acetone, alcohols, DMSO, ether, aqueous samples	Acetonitrile, benzene, chloroform,hexane, pyridine, THF	Good	300°C
Viton	Aliphatic and aromatic hydrocarbons, high concentrations of acids, mineral oil	Strong bases, ketones, low molecular weight esters	Good	260°C

Red PTFE/Silicone

27097-U

Tan PTFE/Silicone

27095-U

Blue PTFE/Silicone

27510-U

P000874-876

Red PTFE/Silicone with Slit

27098

TFE/Red Rubber

23193-U

PTFE Liner

Oversized for better sealing

P000878,879,881

Aluminum/Silicone

24882-U

Viton

27350-U

PTFE/Silicone/PTFE

27096-U

P000882-884

Inserts

Vial inserts allow the use of smaller sample volumes with standard autosampler vials. Inserts are available in various styles including: conical, with bottom spring, with top spring and shell style or flat bottom. Inserts should be chosen based on the inner diameter of the vial neck. Standard opening vials (4.6 mm ID) require a 5 mm OD insert while large opening vials (6.0 mm ID) require a 6 mm OD insert. Step vials are recommended when choosing conical inserts.

Conical

Conical with Bottom Spring

Shell Style

Autosamplers

This section contains a list of the most popular autosampler models along with the vials, caps, septa, and inserts compatible with each instrument.

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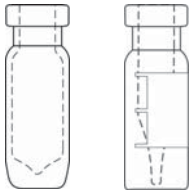
Agilent Technologies 1050 and 1090

Vials for GC and HPLC

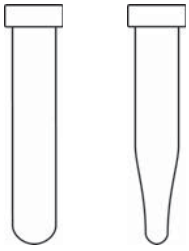
12 x 32mm Vials have wide opening target areas for easy needle penetration

SU860055



27274 24714

27310



SU860056 SU860057

SU860068

854105

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Crimp caps				
Aluminum, Clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, Green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, Red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, Blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, Gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, Clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, Clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
6 x 32mm, 7 x 30mm, 7 x 32mm Vials				
Vials				
0.3mL, 6 x 32mm, Clear glass, round bottom	100	SU860056	–	–
0.3mL, 6 x 32mm, Clear glass, conical	100	SU860057	–	–
0.6mL, 7 x 30mm, Amber crimp vial, 8mm, Chromacol™ (requires 27316 support)	200	27312	1000	27313
0.8mL, 7 x 32mm, Amber glass, conical (requires 27316 support)	100	27314	1000	27315
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	1000	854993
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	–	–
Snap top caps				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silcone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst, 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
12 x 32mm, 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860009

Agilent Technologies 1050 and 1090 (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

Agilent Technologies 1100

Vials for HPLC

12 x 32mm Vials have wide opening target areas for easy needle penetration

SU860055

27274 24714

27310

SU860068

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber. 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	1000	854993
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	1000	854993
Snap ring caps				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silicone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst, 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

Agilent Technologies 1100 (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	– 100	– SU860079	– 1000	– SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

854105

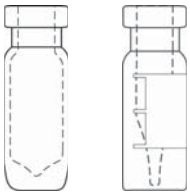
Agilent Technologies 7673A, Series I and II

Vials for GC and HPLC

12 x 32mm Vials have wide opening target areas for easy needle penetration

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	–	–	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860094	1000	SU860016
Aluminum cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass with step, 6.0mm opening	100	SU860033	–	–
Convenience kits				
Clear vials, with red PTFE/white silicone, 1.0mm thick, unassembled	–	–	1000	SU860009
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020

SU860055



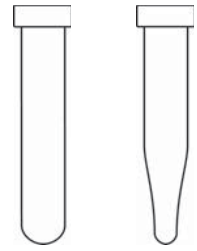
27274 24714

27310

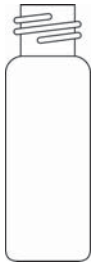
854105

Agilent Technologies 7673A, Series I and II (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
6 x 32mm, 7 x 30mm, 7 x 32mm Vials				
Vials				
0.3mL, 6 x 32mm, Clear glass, round bottom	100	SU860056	–	–
0.3mL, 6 x 32mm, Clear glass, conical	100	SU860057	–	–
0.6mL, 7 x 30mm, Amber crimp vial, 8mm, Chromacol™ (requires 27316 support)	200	27312	1000	27313
0.8mL, Amber glass, conical, 7 x 32mm (requires 27316 support)	100	27314	1000	27315
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	100	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372
4mL Vial, 15 x 45mm				
Vials				
4.0mL, Clear glass	100	854190	–	–
4.0mL, Clear glass, with marking spot	–	–	1000	27113
4.0mL, Amber glass	100	854986	–	–
4.0mL, Amber glass with marking spot	100	27116-U	1000	27117-U
Caps				
Black polypropylene cap, 8.5mm centre hole, with TEF/natural rubber septa, 1.3mm thick	100	854987	–	–
Black polypropylene cap, 8.5mm centre hole, with red PTFE/cream silicone septa, 1.5mm thick	100	SU860078	–	–



SU860056 SU860057



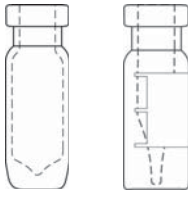
854190

CTC LC PAL

12 x 32mm, Wide opening, crimp top vials and caps

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm center hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm center hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm Screw top vials and caps				
Vials				
2.0mL, clear Glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, clear Glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–

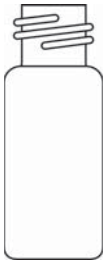
SU860055



27274 24714

27310

CTC LC PAL (Continued)



27265

SU860068

854105

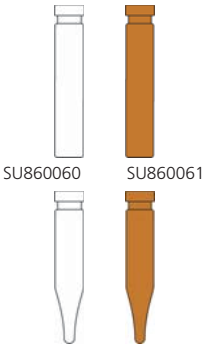
Description	Pack Size	Prod. No.	Pack Size	Prod. No.
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
1.0mL, Polypropylene, 6.0mm opening	100	27269	1000	27270-U
0.75mL, Polypropylene, 6.0mm opening	100	27411	–	–
0.5mL, Polypropylene, 6.0mm opening	100	27410	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	1000	854993
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	–	–
Snap ring caps				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silicone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst , 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm Vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
12 x 32mm 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
12 x 32mm, 4.6mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol™ (requires sleeve 27335)	100	27317	1000	27318

CTC LC PAL (Continued)

854982

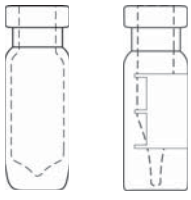
Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Inserts for 4.6mm vials				
0.1mL, Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.15mL, Glass insert, conical, 5 x 31mm	100	854995	–	–
0.35mL, Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
Caps with septa				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076	–	–
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.3mm thick	–	–	1000	854985

CTC GC PAL



SU860060 SU860061 SU880058 SU860059

SU860055



27274 24714

27310

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
7 x 40mm Crimp top vials and caps				
Vials				
0.7mL, Clear glass, crimp top, flat bottom	100	SU860060	1000	SU860023
0.7mL, Amber glass, crimp top flat bottom	100	SU860061	1000	SU860024
0.7mL, Clear glass, crimp top, conical bottom	100	SU860058	1000	SU860025
0.7mL, Amber glass, crimp top conical bottom	100	SU860059	1000	854027
Crimp caps, 8mm				
Aluminum cap, clear, 4mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	27359	1000	27372
Aluminum cap, clear, 4mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	–	–	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm center hole,red PTFE/white silicone, red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
Magnetic cap, gold, 5mm center hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018

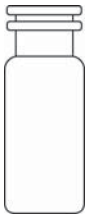
Merck/Hitachi, AS4000

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–

SU860055

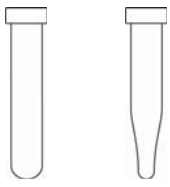
27274 24714

27310



SU860068

854982



SU860056 SU860057

Merck/Hitachi, AS4000 (Continued)

Vials (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert with 15mm top, 6 x 31mm	100	SU860067	1000	854988
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860094	1000	SU860016
Aluminum cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	1000	854993
0.75mL, Polypropylene	100	27253	1000	27254
0.50mL, Polypropylene	100	27422	–	–
0.10mL, Polypropylene	100	27423	–	–
Snap ring caps				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silcone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst, 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
12 x 32mm, 4.6mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol™ (requires sleeve 27335)	100	27317	1000	27318
Inserts for 4.6mm vials				
0.1mL, Clear glass, 5 x 31mm, 15mm top	100	854995	–	–
0.1mL, Clear glass, 5 x 31mm, (requires 27338 support)	100	24703	1000	24704
0.1mL, Clear glass, 5 x 29mm, with plastic spring on bottom	100	24707	–	–
0.2mL, Clear glass, 5 x 31mm, shell style (flat bottom)	100	24701	1000	24702
Caps with septa for 8-425 threaded vials				
Polypropylene screw cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene screw cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076	–	–
Polypropylene screw cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.5mm thick	–	–	1000	854985
6 x 32mm Vials				
Vials				
0.3mL, 6 x 32mm, Clear glass, round bottom	100	SU860056	–	–
0.3mL, 6 x 32mm, Clear glass, conical	100	SU860057	–	–
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028

Merck/Hitachi, AS4000 (Continued)

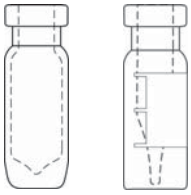
Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372

PerkinElmer AutoSystem

Vials for GC and HPLC

12 x 32mm Vials have wide opening target areas for easy needle penetration

SU860055



27274 24714

27310

27265

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert with 15mm top, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Aluminum, clear, 5.5mm opening, black viton, 1.0mm thick	100	27107	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 6.0mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Caps for 6.0mm opening Vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening Vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
6 x 32mm Vials, 8 x 30mm vials				
Vials				
0.3mL, 6 x 32mm, Clear glass, round bottom	100	SU860056	–	–

SU860056

SU860057

33275

Perkin Elmer AutoSystem (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
0.3mL, 6 x 32mm, Clear glass, conical	100	SU860057	–	–
0.8mL, 8 x 30mm, Clear crimp, flat bottom	200	33275	1000	33276
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372

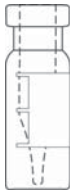
PerkinElmer Clarus 500

Vials for GC and HPLC

12 x 32mm Vials have wide opening target areas for easy needle penetration

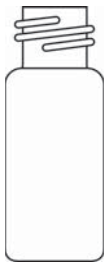
SU860055

27274



24714

27310



27265

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	–	–	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert with 15mm top, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Aluminum, clear, 5.5mm opening, black viton, 1.0mm thick	100	27107	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 6.0mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm Opening, with 0.25mL glass insert	100	27419	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–

PerkinElmer Clarus 500 (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U

Perkin Elmer ISS-100, 200, Integral 4000 & Series 200

Vials for GC and HPLC

12 x 32mm Vials have wide opening target areas for easy needle penetration

SU860055

27274

24714

27310

27265

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, Red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 6.0mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U

Perkin Elmer ISS-100, 200, Integral 4000 & Series 200 (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Wash vials and caps				
Vials				
Clear 10mL, headspace vial, 22 x 45mm (used in Integral 4000), Chromacol™	100	508438	–	–
Clear 6mL, headspace vial, 22 x 38mm (used in ISS 100/200 and Series 200, Chromacol™	100	508403	–	–
Caps for headspace vials				
20mm Snap cap, polyethylene, Chromacol™	100	508624	–	–

Shimadzu GC Autosamplers

Vials for GC and HPLC

Wide opening target area for easy needle penetration

SU860055

27274

24714

27310

854982

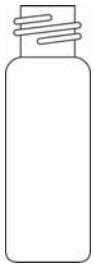
27265

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080		
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 4.6mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol™ (requires sleeve 27335)	100	27317	1000	27318
Inserts for 4.6mm vials				
0.1mL, Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.15mL, Glass insert, conical, 5 x 31mm	100	854995	–	–
0.35mL, Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
Caps with septa				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076	–	–
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.3mm thick	–	–	1000	854985
12 x 32mm Screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
1.0mL, Polypropylene, 6.0mm opening	100	27269	1000	27270-U
0.75mL, Polypropylene, 6.0mm opening	100	27411	–	–
0.5mL, Polypropylene, 6.0mm opening	100	27410	–	–

Shimadzu GC Autosamplers (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
12 x 32mm, 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
15 x 45mm Screw top vials and caps				
4.0mL, Clear glass	100	854190	–	–
4.0mL, Clear glass, with marking spot	–	–	1000	27113
4.0mL, Amber glass	100	854986	–	–
4.0mL, Amber glass, with marking spot	100	27116-U	1000	27117-U
Caps				
Black polypropylene cap, 8.5mm centre hole, with TEF/natural rubber septa, 1.3mm thick	100	854987	–	–
Black polypropylene cap, 8.5mm centre hole, with red PTFE/cream silicone septa, 1.5mm thick	100	SU860078	–	–

854105

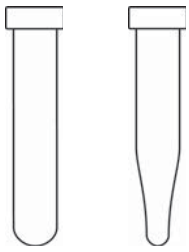


854190

Shimadzu LC Autosamplers

LC-2010, SIL-6A, SIL2AS, SIL-7A, SIL-8A, SIL-9A

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
6 x 32mm Vials, 7 x 32mm vials (for SIL-2AS and SIL-6A), 7 x 30mm vials				
Vials				
0.3mL, 6 x 32mm, Clear glass, round bottom	100	SU860056	–	–
0.3mL, 6 x 32mm, Clear glass, conical	100	SU860057	–	–
0.6mL, 7 x 30mm, Amber crimp vial, 8mm, Chromacol™	100	27312	1000	27313
0.8mL, 7 x 32mm, Amber glass, conical	100	27314	1000	27315
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216



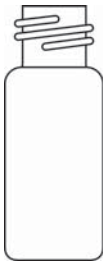
SU860056 SU860057

SU860055

27274

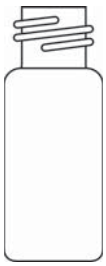
24714

27310



854982

854105



27265

Shimadzu LC Autosamplers (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
11mm Caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber. 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 4.6mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol™ (requires sleeve 27335)	100	27317	1000	27318
Inserts for 4.6mm vials				
0.1mL, Clear glass, 5 x 31mm, 15mm top	100	854995	–	–
0.1mL, Clear glass, 5 x 31mm, (requires 27338 support)	100	24703	1000	24704
0.1mL, Clear glass, 5 x 29mm, with plastic spring on bottom	100	24707	–	–
0.25mL, Clear glass, 5 x 31mm, shell style (flat bottom)	100	24701	1000	24702
Caps with septa for 8-425 threaded vials				
Polypropylene screw cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene screw cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076	–	–
Polypropylene screw cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.5mm thick	–	–	1000	854985
12 x 32mm, 9mm Screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Convenience kits				
2.0mL Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860009
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
12 x 32mm, 6.0mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
0.5mL, Polypropylene, 6.0mm opening	100	27410	–	–
0.75mL, Polypropylene, 6.0mm opening	100	27411	–	–

Shimadzu LC Autosamplers (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
1.0mL, Polypropylene, 6.0mm opening	100	27269	1000	27270-U
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	1000	854993
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	–	–
Snap ring caps				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silcone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst , 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
15 x 45mm, Screw cap 4mL vial				
Vials				
4.0mL, Clear glass	100	854190	–	–
4.0mL, Clear glass, with marking spot	–	–	1000	27113
4.0mL, Amber glass	100	854986	–	–
4.0mL, Amber glass, with marking spot	100	27116-U	1000	27117-U
Caps				
Black polypropylene cap, 8.5mm centre hole, with TEF/natural rubber septa, 1.3mm thick	100	854987	–	–
Black polypropylene cap, 8.5mm centre hole, with red PTFE/cream silicone septa, 1.5mm thick	100	SU860078	–	–

SU860068

854190

SU860055

27274

27310

24714

Spark Marathon, Midas, Triathlon

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U

Spark Marathon, Midas, Triathlon (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber. 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 4.6mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol™ (requires sleeve 2-7335)	100	27317	1000	27318
Inserts for 4.6mm vials				
0.1mL, Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.15mL, Glass insert, conical, 5 x 31mm	100	854995	–	–
0.35mL, Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
Cap with septa				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076		
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.3mm thick	–	–	1000	854985
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	1000	854993
0.75mL, Polypropylene	100	27253	1000	27254
0.50mL, Polypropylene	100	27422	–	–
0.10mL, Polypropylene	100	27423	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
Snap ring caps				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silicone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst , 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
12 x 32mm, 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

854982

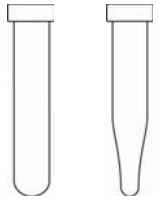
SU860068

854165

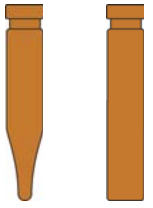
33321-U SU860065

Spark Marathon, Midas, Triathlon (Continued)

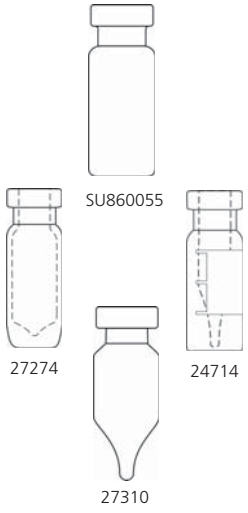
Description	Pack Size	Prod. No.	Pack Size	Prod. No.
8 x 40mm Crimp top vials and caps				
Shell vial for Waters 96 position tray, 8 x 40mm	200	33320-U	1000	33325-U
Vial with cap for Waters 96 position tray, starburst septa, 8 x 40mm	200	33321-U	1000	33326
1.0mL, Amber vial, 8 x 40mm,with closure	250	27290	1000	27291
0.7mL, Polypropylene shell vial, 8 x 40mm	100	27537	–	–
1.0mL, Clear crimp vial, conical bottom, 8 x 40mm	125	508896	–	–
1.2mL, clear crimp vial, flat bottom, 8 x 40mm	125	508888	–	–
22 x 38mm Crimp top vial				
6mL, Headspace vial, clear glass, 22 x 38.2 mm (used in ISS 100/200 and series 200)	100	SU860065	–	–



SU860056 SU860057



SU860059 SU860061



SU860055 27274 24714 27310

Thermo HPLC Spectra System

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
6 x 32mm, 7 x 30mm, 7 x 32mm, 7 x 40mm Vials				
Vials				
0.3mL, 6 x 32mm, Clear glass, round bottom	100	SU860056	–	–
0.3mL, 6 x 32mm, Clear glass, conical	100	SU860057	–	–
0.6mL, 7 x 30mm, Amber crimp, 8mm, conical, Chromacol™	100	27312	1000	27313
0.6mL, 7 x 32mm, Amber crimp, 8mm, round bottom, Chromacol™	100	27314	1000	27315
0.7mL, 7 x 40mm, Clear glass, conical	100	SU860058	1000	SU860025
0.7mL, 7 x 40mm, Amber glass, conical	100	SU860059	1000	854027
0.7mL, 7 x 40mm, Clear glass, flat bottom	100	SU860060	1000	SU860023
0.7mL, 7 x 40mm, Amber glass, flat bottom	100	SU860061	1000	SU860024
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber,1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
12 x 32mm Screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
1.0mL, Polypropylene, 6.0mm opening	100	27269	1000	27270-U
0.75mL, Polypropylene, 6.0mm opening	100	27411	–	–

Thermo HPLC Spectra System (Continued)

27265

854982

854185

854105

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
0.5mL, Polypropylene, 6.0mm opening	100	27410	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
12 x 32mm, 4.6mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol™ (requires sleeve 27335)	100	27317	1000	27318
Inserts for 4.6mm vials				
0.1mL, Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.35mL, Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
0.15mL, Glass insert, conical, 5 x 31mm	100	854995	–	–
Cap with septa				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076		
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.3mm thick	–	–	1000	854985
12 x 32mm, 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Convenience kits				
2.0mm Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860009
Caps				
Transparent polypropylene cap, 6.0mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6.0mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6.0mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	1000	854993
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	–	–
Snap ring caps				
Polyethylene snap caps, 6.0mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6.0mm opening, PTFE/Silicone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst , 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–

Thermo HPLC Spectra System (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

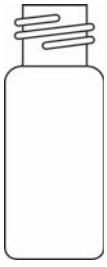
Thermo GC TRACE/AS3000/AI3000/AS3500

SU860055

27274

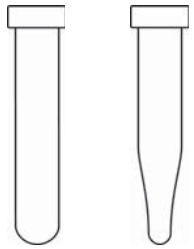
24714

27310



27265

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
12 x 32mm Screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Aamber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
1.0mL, Polypropylene, 6.0mm opening	100	27269	1000	27270-U
0.75mL, Polypropylene, 6.0mm opening	100	27411	–	–
0.5mL, Polypropylene, 6.0mm opening	100	27410	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
6 x 32mm , 7 x 30mm, 7 x 32mm, 7 x 40mm Vials				
Vials				
0.3mL, 6 x 32mm, Clear glass, round bottom	100	SU860056	–	–
0.3mL, 6 x 32mm, Clear glass, conical	100	SU860057	–	–
0.6mL, 7 x 30mm, Amber crimp vial, 8mm, Chromacol™	200	27312	1000	27313
0.8mL, 7 x 32mm, Amber glass, conical	100	27314	1000	27315



SU860056 SU860057

Thermo GC TRACE/AS3000/AI3000/AS3500 (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
0.7mL, 7 x 40mm, Clear glass, conical	100	SU860058	1000	SU860025
0.7mL, 7 x 40mm, Amber glass, conical	100	SU860059	1000	854027
0.7mL, 7 x 40mm, Clear glass, flat bottom	100	SU860060	1000	SU860023
0.7mL, 7 x 40mm, Amber glass, flat bottom	100	SU860061	1000	SU860024
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077		
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372
Headspace vials				
10mL, Clear headspace vial, 22 x 45mm (for HS 500)	100	508438	–	–
20mL, Clear headspace vial, 22 x 75mm (for HS 850)	125	508454	–	–
10mL, Clear headspace vial, 22.5 x 46mm, flat top, flat bottom	100	SU860029	–	–
12 x 32mm, 4.6mm Opening, screw cap vial				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol™ (requires sleeve 27335)	100	27317	1000	27318
Inserts for 4.6mm vials				
0.1mL, Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.15mL, Glass insert, conical, 5 x 31mm	100	854995	–	–
0.35mL, Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
Caps with septa				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076	–	–
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.5mm thick	–	–	1000	854985
12 x 32mm, 4.6mm Opening, screw cap vial				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	1000	854971	–	–
Blue polypropylene cap, 6.0mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6.0mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6.0mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

854982

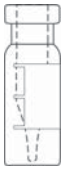
854105

Varian GC Autosamplers 8000/8100/8200/8400/8410

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
0.1mL, Limited volume vial, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110

SU860055

27274



24714

Varian GC Autosamplers 8000/8100/8200/8400/8410 (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080		
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 4.6mm Opening, screw cap vial				
2.0mL, Clear glass, 4.6mm opening	100	854982	1000	854997
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
Inserts for 4.6mm vials				
0.1mL, Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.15mL, Glass insert, conical, 5 x 31mm	100	854995	–	–
0.35mL, Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
Caps with septa				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076		
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.3mm thick	–	–	1000	854985
Septa				
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
12 x 32mm, 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6.0mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

854982

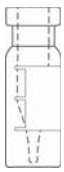
854105

Varian GC Autosamplers 9090, 9095, Marathon

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vial, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110

SU860055

27274



24714

27310

Varian GC Autosamplers 9090, 9095, Marathon (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/White silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080		
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 9mm Thread screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6.0mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	1000	854993
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	–	–
Snap ring caps				
Polyethylene snap caps, 6.0mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6.0mm opening, PTFE/silcone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst , 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988

854105

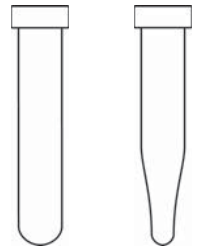
SU860068

854189

854190

Waters 48/717/717 Plus Waters 96

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Waters WISP 48 position carousel				
3.0mL, Polypropylene shell vial,with conical interior, 15 x 45mm	100	27538	–	–
4.0mL, Glass shell vial, 14.65 x 44.6mm, with polyethylene plug	100	854189	–	–
4mL Screw top vial, 15 x 45mm				
4.0mL, Clear glass	100	854190	–	–
4.0mL, Clear glass, with marking spot	–	–	1000	27113
4.0mL, Amber glass	100	854986	–	–
4.0mL, Amber glass, with marking spot	100	27116-U	1000	27117-U
Caps				
Black polypropylene cap, 8.5mm centre hole, with TEF/natural rubber septa, 1.3mm thick	100	854987	–	–
Black polypropylene cap, 8.5mm centre hole, with red PTFE/cream silicone septa, 1.5mm thick	100	SU860078	–	–



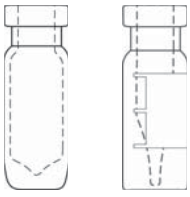
SU860056 SU860057

Waters 48/717/717 Plus Waters 96 (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
6 x 32mm Vials, 7 x 30mm, 7 x 32mm vials				
Vials				
0.3mL, Clear glass, 6 x 32mm, round bottom	100	SU860056	–	–
0.3mL, Clear glass, 6 x 32mm, conical	100	SU860057	–	–
0.6mL, Amber glass, 7 x 30mm, Chromacol™	200	27312	1000	27313
0.8mL, Amber glass, 7 x 32mm, conical	100	27314	1000	27315
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372
Waters 96, 8 x 40mm crimp top vials and caps				
Shell vial for Waters 96 position tray, 8 x 40mm	200	33320-U	1000	33325-U
Vial with cap for Waters 96 position tray, 8 x 40mm, starburst septa	200	33321-U	1000	33326
1.0mL, Amber vial, 8 x 40mm, with closure	250	27290	1000	27291
0.7mL, Polypropylene shell vial, 8 x 40mm	100	27537	–	–
1.0mL, Clear crimp vial, conical bottom, 8 x 40mm	125	508896	–	–
1.2mL, Clear crimp vial, flat bottom, 8 x 40mm	125	508888	–	–

33321-U

SU860055



27274 24714

27310

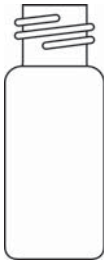
854105

Waters Alliance/Acquity

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm, Wide opening, crimp top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1mL, Clear glass, conical bottom (requires support part number 27335)	100	27310	1000	27311
0.1mL, Limited volume vials, clear glass	100	24714	–	–
Convenience kits				
2.0mL, Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL, Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860096	1000	SU860018
Magnetic cap, gold, 5mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860095	1000	SU860017
12 x 32mm, 9mm Thread screw top vials and caps				
2.0mL, Clear glass, 6.0mm opening	100	854105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988

Waters Alliance/Acquity

SU860068



27265

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
12 x 32mm Snap top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL, Amber glass, 6.0mm opening	100	SU860089	1000	854993
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860082	–	–
Snap ring caps				
Polyethylene snap caps, 6.0mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6.0mm opening, PTFE silicone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst , 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
12 x 32mm, Wide opening, screw top vials and caps				
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
1.0mL, Polypropylene, 6.0mm opening	100	27269	1000	27270-U
0.75mL, Polypropylene, 6.0mm opening	100	27411	–	–
0.5mL, Polypropylene, 6.0mm opening	100	27410	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
Caps for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U

Products

This section contains a listing of vials organized by style and size. The caps, septa and inserts compatible with each type of vial are listed immediately following that vial. This section also contains specially treated vials, special purpose vials, and accessories.

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Crimp top vials, 12 x 32mm, 6.0mm opening ..... **Page 32**

Snap top vials, 12 x 32mm, 6.0mm opening ..... **Page 32**

Screw cap vials, 12 x 32mm, 4.6mm opening ..... **Page 33**

9mm Thread, screw top vials, 12 x 32mm, 6.0mm opening ..... **Page 33**

Screw top vials, 12 x 32mm, 6.0mm opening ..... **Page 34**

Screw top vials, 15 x 45mm, 4.0mL ..... **Page 34**

Headspace vials ..... **Page 35**

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SPME vials ..... **Page 37**

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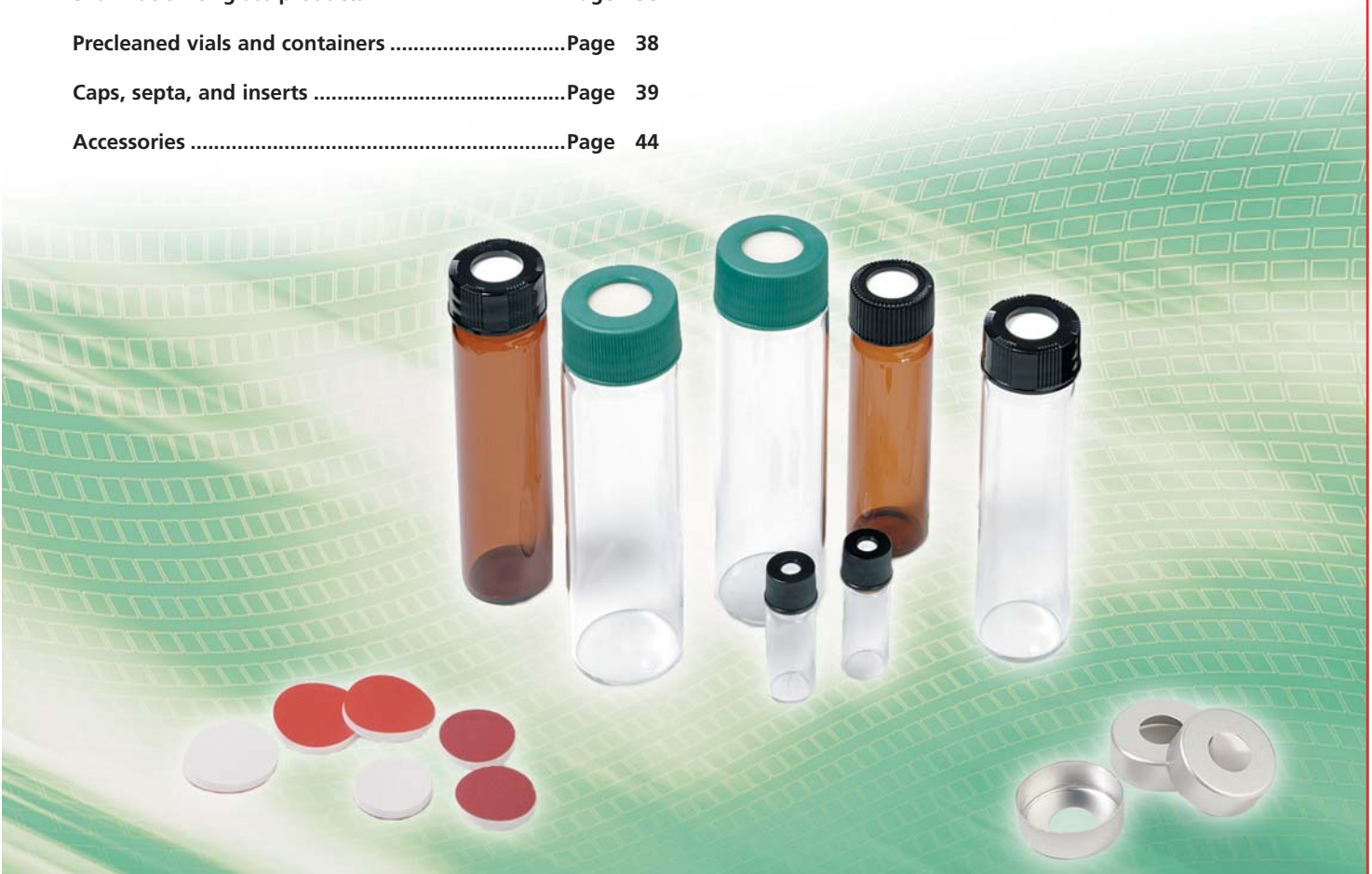

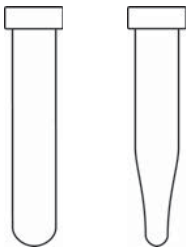

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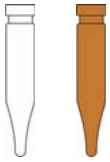
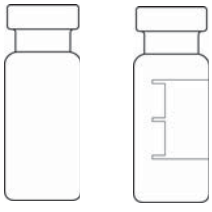
33275

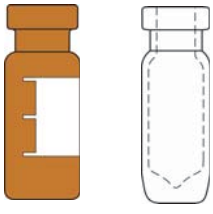
SU860060 SU860061



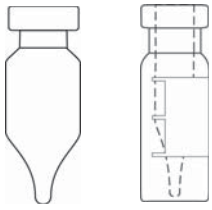
SU880058 SU860059



SU860055 SU860064



854998 27274



27310 27274

Crimp Top Vials and Caps with 8mm Finish

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
6 x 32mm, 7 x 30mm, 7 x 32mm, 8 x 30mm Vials				
0.3mL, Clear glass, 6 x 32mm, round bottom	100	SU860056	–	–
0.3mL, Clear glass, 6 x 32mm, conical	100	SU860057	–	–
0.6mL, Amber glass, 7 x 30mm, conical	200	27312	1000	27313
0.8mL, Amber glass, 7 x 32mm, conical	100	27314	1000	27315
0.8mL, Clear glass, 8 x 30mm, flat bottom	200	33275	1000	33276
7 x 40mm Crimp top vials and caps				
0.7mL, Clear glass, crimp top, flat bottom	100	SU860060	1000	SU860023
0.7mL, Amber glass, crimp top, flat bottom	100	SU860061	1000	SU860024
0.7mL, Clear glass, crimp top, conical bottom	100	SU860058	1000	SU860025
0.7mL, Amber glass, crimp top conical bottom	100	SU860059	1000	854027
8 x 40mm Crimp top vials and caps				
1.0mL, Shell vial, clear glass without closure, for waters 96 position tray, flat bottom	200	33320-U	1000	33325-U
1.0mL, Shell vial, clear glass with cap for waters 96 position tray, starburst septa, flat bottom	200	33321-U	1000	33326
1.0mL, Shell vial, amber shell vial with closure	250	27290	1000	27291
0.7mL, Polypropylene shell vial, 8 x 40mm	100	27537	–	–
1.0mL, Clear crimp vial, conical bottom, 8 x 40mm	125	508896	–	–
1.2mL, Clear crimp vial, flat bottom, 8 x 40mm	125	508888	–	–
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4.0mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum cap, clear, 4mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372

Crimp Top Vials, 12 x 32mm, 6.0mm Opening

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Vials				
2.0mL, Clear glass, 6.0mm opening, crimp top	100	SU860055	1000	854964
2.0mL, Amber glass, 6.0mm opening, crimp top	100	SU860063	1000	854981
2.0mL, Clear glass, 6.0mm opening, crimp top, with marking spot	100	SU860064	1000	854500
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	27216	1000
2.0mL, Amber glass, 6.0mm opening, crimp top, with marking spot	100	854998	–	–
1.5mL, Maximum recovery vials, clear glass	100	27274	–	–
1.1ml, Clear glass, conical bottom (requires support 27335)	100	27310	1000	27311
0.1ml, Limited volume vials, clear glass	100	24714	–	–
Inserts for 6.0mm vials				
0.1mL Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Convenience kits				
2.0mL Clear vials, with PTFE/red rubber cap, unassembled	–	–	1000	SU860008
2.0mL Amber vials, with PTFE/red rubber cap, unassembled	100	27241	1000	27242-U
11mm Crimp caps				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber. 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–

Snap Top Vials, 12 x 32mm, 6.0mm Opening

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Vials				
2.0mL Clear glass, 6.0mm opening	100	SU860068	1000	854974
2.0mL Amber glass, 6.0mm opening	100	SU860089	1000	854993

SU860068

Snap Top Vials, 12 x 32mm, 6.0mm Opening, (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
2.0mL Clear glass, 6.0mm opening, with marking spot	100	SU860081	–	–
2.0mL Amber glass, 6.0mm opening, with marking spot	100	SU860082	–	–
Snap ring caps				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silicone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst, 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Inserts for 6.0mm vials				
0.1mL Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

SU860081

SU860082

Screw Cap Vials, 12 x 32mm, 4.6mm Opening

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Vials				
2.0mL, Amber glass, 4.6mm opening	100	SU860083	1000	854983
2.0mL, Clear glass, 4.6mm opening, with marking spot	100	854171	–	–
2.0mL, Amber glass, 4.6mm opening, with marking spot	100	854172	–	–
1.1mL, Clear glass, tapered bottom, Chromacol (requires sleeve 27335)	100	27317	1000	27318
Inserts for 4.6mm vials				
0.1mL Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.15mL Glass insert, conical, 5 x 31mm	100	854995	–	–
0.35mL Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
Caps with septa				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076	–	–
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.3mm thick	–	–	1000	854985
Septa				
Septa, red PTFE/silicone/red PTFE, 1.0mm thick	100	27096-U	1000	23182-U
Septa, beige PTFE/silicone, 1.5mm thick	100	27095-U	1000	33213
Septa, red PTFE/white silicone, 1.5mm thick	100	27097-U	1000	23243
Septa, PTFE/silicone with slit, 1.0mm thick	100	27098-U	1000	24881
Septa, black viton, 0.75mm thick	100	27350-U	–	–
Septa, PTFE/red rubber, 1.3mm thick	100	27132	–	–
Liner, white PTFE, 0.25mm thick (for use with solid top cap)	100	27133	–	–
Caps without septa				
Phenolic cap, black, open top	100	27094-U	–	–
Polypropylene cap, black, open top	100	27052	1000	24764
Phenolic cap, solid caps with PTFE liner	100	27091-U	–	–
Phenolic cap, solid cap with aluminum liner	100	27092-U	–	–

854982

854983

854171

854172

854171

9mm Thread, Screw Top Vials, 12 x 32mm, 6.0mm Opening

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Vials				
2.0mL, Clear glass, 6.0mm opening	100	SU860105	–	–
2.0mL, Clear glass, 6.0mm opening, with marking spot	100	854165	–	–
2.0mL, Amber glass, 6.0mm opening, with marking spot	100	SU860033	–	–
Caps				
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6.0mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	1000	854973
Blue polypropylene cap, 6.0mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6.0mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020

SU860069

854165

SU860033

9mm Thread, Screw Top Vials, 12 x 32mm, 6mm Opening (Continued)

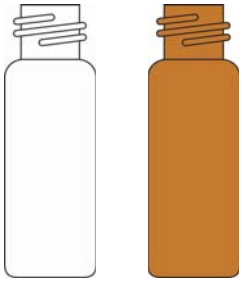
Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716

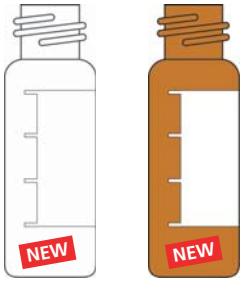
Screw Top Vials, 12 x 32mm, 6.0mm Opening

27265

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Vials				
2.0mL, Clear glass, 6.0mm opening	100	27265	1000	SU860012
2.0mL, Clear glass, 6.0mm opening, with 0.25mL glass insert	100	27418	–	–
2.0mL, Amber glass, 6.0mm opening	100	27267-U	1000	854990
2.0mL, Amber glass with step, 6.0mm opening	100	27406	–	–
2.0mL, Amber glass, 6.0mm opening, with 0.25mL glass insert	100	27419	–	–
1.0mL, Polypropylene, 6.0mm opening	100	27269	1000	27270-U
0.75mL, Polypropylene, 6.0mm opening	100	27411	–	–
0.5mL, Polypropylene, 6.0mm opening	100	27410	–	–
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Cap for 6.0mm opening vials				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Septa for 6.0mm opening vials				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U

Screw Cap Vial, 15 x 45mm, 4.0mL


854190 854986



27113 27116-U

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Vials				
4.0mL, Clear glass	100	854190	–	–
4.0mL, Amber glass	100	854986	–	–
4.0mL, Clear glass, with marking spot	–	–	1000	27113
4.0mL, Amber glass, with marking spot	100	27116-U	1000	27117-U
4.0mL, Clear glass, with graduations	100	27024	–	–
4.0mL, Clear glass, silanized	100	27114	1000	27220-U
4.0mL, Amber glass, silanized	100	27217	–	–
4.0mL, Clear glass, precleaned	100	27340	–	–
4.0mL, Amber glass, precleaned	100	27345	–	–
4.0mL, Plastic vial with glass insert	100	27243	–	–
Inserts for 4.0mL vial				
0.15mL, Clear glass with bottom spring, 6 x 38mm	100	24748	–	–
0.15mL, Polypropylene with bottom spring, 6 x 38mm	100	24749	–	–
0.275mL, Clear glass with top plastic flange, 7 x 44mm	100	27443	–	–
0.3mL, Clear glass, conical, 6 x 39mm	100	27118-U	1000	27076
Spring for conical insert, 27118-U and 27076	100	27086-U	–	–
0.3mL, Clear glass with top spring, 6 x 38mm	100	27444	–	–
0.3mL, Polypropylene with top spring, 6 x 38mm	100	27445	–	–
0.75mL, Clear glass, shell style, flat bottom, 8 x 43mm	200	24746	1000	24747
Caps with septa				
Black polypropylene screw cap, 8.5mm center hole, with TEF/natural rubber septa, 1.3mm thick	100	854987	–	–
Black polypropylene screw cap, 8.5mm center hole, with red PTFE/creme silicone septa, 1.5mm thick	100	SU860078	–	–

SU860065
PerkinElmer

854180-U
Carlo Erba, CTC, Fisons, Varian (CP)

854151
Varian

SU860029
Carlo Erba, Dani, Fisons, Agilent

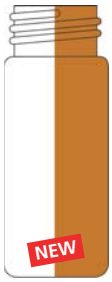
SU860030
CTC PAL (Varian, Gerstel, Atas, Shimadzu), TriPlus

SU860049
PerkinElmer, Tekmar

854181-U
SPME Vial for CTC PAL

SU860051
PerkinElmer

SU860099
SU8600100



SU860097
SU860098

CTC PAL (Varian, Gerstel, Atas, Shimadzu, Agilent)

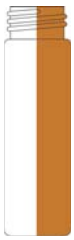
Screw Cap Vial, 15 x 45mm, 4.0mL (Continued)

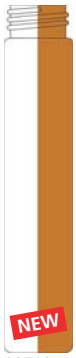
Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Septa for 4.0mL vial				
Septa, red PTFE/silicone/red PTFE, 1.0mm thick	100	27122-U	–	–
Septa, PTFE/red rubber, 1.3mm thick	100	27145	–	–
Septa, PTFE, for solid cap, 0.25mm thick	100	27146	–	–
Septa, tan PTFE/silicone, 1.5mm thick	100	27144	–	–
Septa, white PTFE/white silicone, 1.9mm thick	100	27356	1000	27369-U
Septa, Viton™, 0.75mm thick	100	27351	–	–
Caps without septa				
Cap, open top, black phenolic	100	27120-U	–	–
Cap, open top, black polypropylene	100	27053	–	–
Cap, solid top, PTFE liner	100	27141	–	–
Cap, solid top, aluminum liner	100	27142	–	–

Headspace Vials

Description	Pack Size	Prod. No.
Headspace vials, flat top, rounded bottom		
10mL, Headspace vial, clear glass, 22.5 x 46mm	100	854180-U
CTC PAL (Varian, Gerstel, Atas,Shimadzu)	100	854181-U
Headspace vials, flat top, flat bottom		
20mL, Headspace vial, clear glass, long neck, 22.5 x 75.5mm	100	854151
10mL, Headspace vial, clear glass, long neck, 22.5 x 46mm	100	SU860029
20mL, Headspace vial, clear glass, long neck, 22.5 x 75.5mm	100	SU860030
Headspace vials, beveled top, rounded bottom		
5mL, Headspace vial, clear glass, 22 x 38.2mm	100	SU860065
20mL, Headspace vial, clear glass, 23 x 75.5mm	100	SU860049
Headspace vials for SPME, thick top, rounded bottom		
20mL, Headspace vial, clear glass, special neck, 22.5 x 75.5mm	100	SU860051
Screw thread headspace vials		
10mL, Precision thread, clear glass, rounded bottom, 22.5 x 46mm	100	SU860099
10mL, Precision thread, amber glass, rounded bottom, 22.5 x 46mm	100	SU860100
20mL, Precision thread, clear glass, rounded bottom, 22.5 x 75.5mm	100	SU860097
20mL, Precision thread, amber glass, rounded bottom, 22.5 x 75.5mm	100	SU860098
Caps for screw thread headspace vials		
Magnetic screw cap, silver, 8.0mm centre hole, white PTFE/blue silicone 1.3mm thick	100	SU860101
Magnetic screw cap, silver, 8.0mm centre hole, grey PTFE/red butyl 1.6mm thick	100	SU860102
Magnetic screw cap, silver, 8mm centre hole, blue PTFE/white silicone 1.5mm thick	100	SU860103
Caps with PTFE/butyl septa		
Aluminum cap, plain, 10mm centre hole, 3.0mm thick	100	854979
Caps with molded PTFE/butyl septa (Pharma-Fix)		
Aluminum cap, plain, 10mm centre hole, PTFE/butyl molded, 3.0mm thick	100	SU860011
Magnetic cap, plain, 5.0mm centre hole, PTFE/butyl molded, 3.0mm thick	100	854178-U
Magnetic cap, plain, 8.0mm centre hole, PTFE/butyl molded, 3.0mm thick	100	SU860014
Caps with PTFE/silicone septa		
Aluminum cap, plain, 10mm centre hole, white PTFE/blue silicone, 3.0mm thick	100	SU860010
Aluminum cap, plain, 10mm centre hole, beige PTFE/white silicone, 3.0mm thick	100	854996
Magnetic cap, gold, 5.0mm centre hole, white PTFE/blue silicone, 3.0mm thick	100	854179-U
Magnetic cap, gold, 8.0mm centre hole, white PTFE/blue silicone, 3.0mm thick	100	SU860015
Magnetic caps for SPME vials		
Magnetic cap, gold, 8.0mm centre hole, blue PTFE/white silicone, 1.5mm thick	100	SU860053
Magnetic cap, gold, 8.0mm centre hole, black viton, 1.0mm thick	100	SU860106
Other caps for 20mm headspace vials		
Polyethylene cap, transparent, 8.4 x 22mm, 4.3 centre hole, grey PTFE/cream butyl, 1.3mm thick	100	854177-U
Polyethylene cap, transparent, 8.4 x 22mm, 4.3 centre hole, white PTFE/blue silicone, 1.3mm thick	100	854158-U

854991


SU860001
23702-U



23703-U
23705-U

EPA Vials with 24mm Thread

Large range of EPA vials in clear and amber glass Volumes of 20mL, 40mL, and 60mL are available.
The vials are packed in a cleanroom class 10,000.

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Vials				
20mL, EPA screw neck vial, clear glass, 27.5 x 57mm	100	854991	–	–
40mL, EPA screw neck vial, clear glass, 27.5 x 95mm	100	SU860001	–	–
40mL, EPA screw neck vial, amber glass, 27.5 x 95mm	100	23702-U	1000	SU860002
60mL, EPA screw neck vial, clear glass, 27.5 x 140mm	200	23703-U	1000	SU860003
60mL, EPA screw neck vial, amber glass, 27.5 x 140mm	200	23705-U	1000	SU860004
Ultrabond™ caps with septa				
The cap and septa form an unseparable unit preventing the septa from falling out of the cap.				
Polypropylene screw cap, white, 15mm centre hole, beige PTFE/silicone, 3.2mm thick	100	SU860005	–	–
Polypropylene screw cap, white, closed top, beige PTFE/silicone, 3.2mm thick	100	SU860006	–	–
Caps without septa				
Black phenolic cap, centre hole	100	27187	–	–
Black polypropylene cap, centre hole	100	27057	–	–
Green phenolic cap, PTFE liner	100	27186	–	–
Black solid cap with aluminum liner	100	27175-U	–	–
Septa, 22mm				
Beige PTFE/silicone, 3.2mm thick	100	SU860007	–	–
Beige PTFE/silicone, 10 mils PTFE/90 mils silicone, 2.5mm thick	100	27188-U	–	–
PTFE/silicone, 10 mils PTFE/115 mils silicone, 3.2mm thick	100	23193-U	–	–
Blue PTFE/silicone, 1.5mm thick	100	27515	–	–
Aluminum/silicone, 2.5mm thick	100	27190-U	–	–
Viton, 1.5mm thick	100	27355	–	–

SPME Vials

SPME methods have traditionally been done using crimp top vials. We have recently introduced a new line of screw cap vials that are a good alternative to crimp top vials for SPME. These vials have stainless steel screw caps and use the soft, thin septa recommended for SPME. We also offer crimp top vials with a thicker sealing lip to accommodate the use of thinner (1.3 to 1.6 mm thick) septa recommended for SPME.

Many researchers use the CombiPAL™ robotic autosampler for SPME work. These autosamplers use a magnetic system to pick up vials. Therefore, the vials used in this system must have magnetic caps. The conical vials with 3 mm septa that are commonly used for headspace analysis with the CombiPAL should not be used for SPME. Conversely, use of thin septa with the conical vials is not recommended to prevent leaking.

P000939

Screw neck vials for CTC PAL (Varian, Gerstel, Atas, Shimadzu)			
Description	**Color**	**Pack Size**	**Prod. No.**
10mL, Round bottom	Clear	100	SU860099
10mL, Round bottom	Amber	100	SU860100
10mL, Round bottom	Clear	100	SU860097
20mL, Round bottom	Amber	100	SU860098
Steel magnetic cap with 8mm hole			
Description	**Thickness**	**Pack Size**	**Prod. No.**
PTFE/blue silicone	1.3mm	100	SU860101
PTFE/blue silicone	1.5mm	100	SU860103
PTFE/red butyl	1.6mm	100	SU860102
Acrylic storage rack for 18mm vials			
Description	**Cavities**	**Pack Size**	**Prod. No.**
160 x 160 x 30mm	25	100	SU860107

P0001061

Thin Cap Vials 27385, 27386

SPME flat neck vials and closures for CTC 22.5mm Diameter x 75.5mm Height			
Description	**Color**	**Pack Size**	**Prod. No.**
20mL, Round bottom	Clear	100	SU860104
SPME flat neck vials for Varian 8200 24.5mm diameter x 75.5mm height headspace vials for CTC Autosampler (CombiPAL)			
Description	**Color**	**Pack Size**	**Prod. No.**
10mL, Flat bottom	Clear	36	27385
10mL, Flat bottom	Clear	144	27386
Steel magnetic crimp caps, 8mm hole			
Description	**Thickness**	**Pack Size**	**Prod. No.**
Blue PTFE/silicone	1.5mm	100	SU860053
Black Viton	1.0mm	100	SU860106
Headspace vials for CTC Autosampler (CombiPAL) beveled top, flat bottom			
Description	**Color**	**Pack Size**	**Prod. No.**
10mL, 23 x 46mm	Clear	100	27198
20mL, 23 x 75mm	Clear	100	27199
Beveled top, round bottom			
Description	**Color**	**Pack Size**	**Prod. No.**
10mL, 22.6 x 46mm	Clear	100	27294
10mL, 22.6 x 46mm	Clear	1000	27295
20mL, 22.6 x 75mm	Clear	100	27296
20mL, 22.6 x 75mm	Clear	1000	27297
Flat top, round bottom			
Description	**Color**	**Pack Size**	**Prod. No.**
10mL, 22.5 x 46mm	Clear	100	854180-U
20mL, 22.5 x 75.5mm	Clear	100	854181-U
Crimp caps with septa (3.0mm thick) for headspace vials			
Description	**Opening**	**Pack Size**	**Prod. No.**
Magnetic, PTFE/silicone	5mm	100	27300
Alum, PTFE faced butyl	8mm	100	SU860011
Mag, PTFE faced butyl	5mm	100	854178-U
Mag, PTFE faced butyl	8mm	100	SU860014
Crimp caps with septa (0.75mm thick) for headspace vials			
Description	**Opening**	**Pack Size**	**Prod. No.**
Alum, black viton		36	33146-U
Alum, black viton		100	27245

Silanization of Glass Vials

High concentrations of silanol groups (Si-O-H) on untreated glass vial surfaces can catalyze decomposition of unstable compounds or adsorb polar compounds through hydrogen bonding. Quantitative analyses of these sensitive compounds become unreliable, recoveries are reduced and analyses can be complicated by decomposition byproducts.

We use an environmentally friendly process to silanize glass vials. It does not use solvents for diluting the reagents or rinsing the deactivated glass vials and employs an elaborate trapping system to confine reagent vapors. The organosilanization process derivatizes surface silanols at a high temperature, shielding the active groups from contact with the active hydrogens on the sample components.

Several popular vials are offered pre-silanized. However, most vials can be silanized on a custom basis. Please inquire with our Technical Service Group for details.

Crimp, 2mL | Screw thread, 2mL | Screw thread, 4mL

Vials				
Description	**Pack Size**	**Prod. No.**	**Pack Size**	**Prod. No.**
2.0mL, Clear glass, 6.0mm opening, crimp top, silanized	100	27060-U	1000	27061
2.0mL, Amber glass, 6.0mm opening, crimp top, silanized	100	27225-U	1000	27216
2.0mL, Clear glass, 4.6mm opening, screw top, silanized	100	27029-U	1000	27030
2.0mL, Amber glass, 4.6mm opening, screw top, silanized	100	27238	1000	27219
4.0mL, Clear glass, screw top, silanized	100	27114	1000	27220-U
4.0mL, Amber glass, screw top, silanized	100	27217	–	–

Precleaned Vials

We offer several of the most popular vials and closures precleaned for environmental sampling. The vials, caps, and septa are washed in a laboratory grade non-phosphate detergent. They are rinsed three times with deionized water and oven dried. A Certificate of Analysis is supplied with each package and labels are provided for each vial. These vials come pre-assembled with open top phenolic caps and PTFE/silicone septa.

The following vials are cleaned according to US EPA 40 CFR 136, Guidelines for Establishing Test Procedures for the Analysis of Pollutants.

Precleaned Vials				
Description	**Silicone Septa**	**Cap Size**	**Pack Size**	**Prod. No.**
2mL				
Clear glass	PTFE 0.005" x 0.055" silicone	8-425	100	27339
Amber glass	PTFE 0.005" x 0.055" silicone	8-425	100	27344
4mL				
Clear glass	PTFE 0.005" x 0.055" silicone	13-425	100	27340
Amber glass	PTFE 0.005" x 0.055" silicone	13-425	100	27345
7mL				
Clear glass	PTFE 0.005" x 0.055" silicone	15-425	100	27341
Amber glass	PTFE 0.005" x 0.055" silicone	15-425	100	27346
15mL				
Clear glass	PTFE 0.010" x 0.125" silicone	18-400	100	27342
Amber glass	PTFE 0.010" x 0.125" silicone	18-400	100	27347
22mL				
Clear glass	PTFE 0.005" x 0.055" silicone	20-400	100	27343
Amber glass	PTFE 0.005" x 0.055" silicone	20-400	100	27348
40mL				
Clear glass	PTFE 0.010" x 0.090" silicone	24-400	72	23188
Amber glass	PTFE 0.010" x 0.090" silicone	24-400	72	23189

P000893

Precleaned Containers

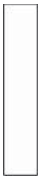
The following vials are cleaned according to US EPA Protocol B. They are pre-assembled with black polypropylene caps and 0.030 inch PTFE liners.

1 oz. corresponds to 28.35

Precleaned containers			
Description	**Cap Size**	**Pack Size**	**Prod. No.**
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
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 jug, narrow mouth			
80 oz.	38-430	6	24560
128 oz.	38-430	4	24561

Conical

Bottom spring



Shell Style

Inserts for Micro Sampling

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Inserts for 4.6mm vials				
0.1mL, Glass insert with bottom spring, 5 x 29mm	100	24707	–	–
0.15mL, Glass insert, conical, 5 x 31mm	100	854995	–	–
0.35mL, Glass insert, shell style, 5 x 31mm	100	24701	1000	24702
Inserts for 6.0mm vials				
0.1mL, Glass insert with bottom spring, 6 x 28mm	100	SU860066	1000	854110
0.1mL, Glass insert, conical, 6 x 31mm	100	SU860067	1000	854988
0.25mL, Glass insert, conical, 6 x 31mm	100	24717	1000	24718
0.35mL, Glass insert, shell style, 6 x 31mm	100	24715	1000	24716
Inserts for 4mL vial				
0.15mL, Clear glass with bottom spring, 6 x 38mm	100	24748	–	–
0.15mL, Polypropylene with bottom spring, 6 x 38mm	100	24749	–	–
0.275mL, Clear glass with top plastic flange, 7 x 44mm	100	27443	–	–
0.3mL, Clear glass, conical, 6 x 39mm	100	27118-U	1000	27076
Spring for conical insert, 27118-U and 27076	100	27086-U	–	–
0.3mL, Clear glass with top spring, 6 x 38mm	100	27444	–	–
0.3mL, Polypropylene with top spring, 6 x 38mm	100	27445	–	–
0.75mL, Clear glass, shell style, flat bottom, 8 x 43mm	200	24746	1000	24747

Caps with Septa Included

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Caps with septa for 4.6mm opening vials, 12 x 32mm				
Polypropylene cap, black, 5.5mm centre hole, TEF/natural rubber, 1.3mm thick	100	SU860091	1000	854984
Polypropylene cap, black, 5.5mm centre hole, red PTFE/white silicone, 1.3mm thick	100	SU860076	–	–
Polypropylene cap, black, 5.5mm centre hole, red PTFE/cream silicone, 1.3mm thick	–	–	1000	854985
Caps with septa for 9mm thread vial, 12 x 32mm				
Transparent polypropylene cap, 6mm centre hole with TEF/natural septa, 1.0mm thick	–	–	1000	854973
Transparent polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	–	–	1000	854971
Blue polypropylene cap, 6mm centre hole with TEF/natural rubber septa, 1.0mm thick	100	854161	–	–
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone septa, 1.0mm thick	100	SU860092	1000	SU860019
Blue polypropylene cap, 6mm centre hole with red PTFE/white silicone/red PTFE septa, 1.0mm thick	100	SU860079	1000	SU860020

Caps with Septa Included (Continued)

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Caps for 6.0mm opening vials, 12 x 32mm				
Polypropylene, black, open top	100	27271	1000	27272-U
Polypropylene, yellow, open top	100	27413	–	–
Polypropylene, white, open top	100	27414	–	–
Polypropylene, black, open top with PTFE/silicone septa, 1.5mm thick	100	27273	–	–
Polypropylene, black, solid cap, PTFE lined	100	27416	–	–
Snap top caps with septa				
Polyethylene snap caps, 6mm opening, TEF/natural rubber liner, 1.0mm thick	100	SU860090	1000	854975
Polyethylene snap caps, 6mm opening, PTFE/silicone liner, 1.3mm thick	100	SU860093	–	–
Polypropylene snap caps with PTFE liner, 0.3mm thick	100	24754	–	–
Polypropylene snap caps with PTFE/silicone with slit, 1.0mm thick	100	27426	–	–
Polypropylene snap caps with PTFE/silicone with starburst , 1.0mm thick	100	27427	–	–
Polypropylene snap caps with PTFE/silicone/PTFE with starburst, 1.0mm thick	100	27428	–	–
Polypropylene snap caps with PTFE/silicone/PTFE, 1.0mm thick	100	24760-U	–	–
Caps with septa for 4mL vial				
Black polypropylene screw cap, 8.5mm center hole, with TEF/natural rubber septa, 1.3mm thick	100	854987	–	–
Black polypropylene screw cap, 8.5mm center hole, with red PTFE/creme silicone septa, 1.5mm thick	100	SU860078	–	–
Ultrabond™ caps with septa for 20mL, 40mL and 60mL vial				
The cap and septa form an unseparable unit preventing the septa from falling out of the cap.				
Polypropylene screw cap, white, 15mm centre hole, beige PTFE/silicone, 3.2mm thick	100	SU860005	–	–
Polypropylene screw cap, white, closed top, beige PTFE/silicone, 3.2mm thick	100	SU860006	–	–

Septa

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Septa for 4.6mm opening vials, 12 x 32mm vial				
Septa, red PTFE/silicone/red PTFE, 1.0mm thick	100	27096-U	1000	23182-U
Septa, beige PTFE/silicone, 1.5mm thick	100	27095-U	1000	33213
Septa, red PTFE/white silicone, 1.5mm thick	100	27097-U	1000	23243
Septa, PTFE/silicone with slit, 1.0mm thick	100	27098-U	1000	24881
Septa, black viton, 0.75mm thick	100	27350-U	–	–
Septa, PTFE/red rubber, 1.3mm thick	100	27132	–	–
Liner, white PTFE, 0.25mm thick (for use with solid top cap)	100	27133	–	–
Septa for 6.0mm opening vials, 12 x 32mm vial				
Septa, PTFE/silicone/PTFE, 1.0mm thick	100	27275	1000	27276
Septa, red PTFE/silicone, 1.5mm thick	100	27277	1000	27278
Septa, PTFE/silicone with slit, 1.0mm thick	100	27279	1000	27280-U
Septa for 4mL vial				
Septa, red PTFE/silicone/red PTFE, 1.0mm thick	100	27122-U	–	–
Septa, PTFE/red rubber, 1.3mm thick	100	27145	–	–
Septa, PTFE, for solid cap, 0.25mm thick	100	27146	–	–
Septa, tan PTFE/silicone, 1.5mm thick	100	27144	–	–
Septa, white PTFE/white silicone, 1.9mm thick	100	27356	1000	27369-U
Septa, viton, 0.75mm thick	100	27351	–	–
Septa, 22mm for 20mL, 40mL, and 60mL vial				
Beige PTFE/silicone, 3.2mm thick	100	SU860007	–	–
Beige PTFE/silicone, 10 mils PTFE/90 mils silicone, 2.5mm thick	100	27188-U	–	–
PTFE/silicone, 10 mils PTFE/115 mils silicone, 3.2mm thick	100	23193-U	–	–
Blue PTFE/silicone, 1.5mm thick	100	27515	–	–
Aluminum/silicone, 2.5mm thick	100	27190-U	–	–
Viton, 1.5mm thick	100	27355	–	–

Crimp Caps, 8mm, 11mm, 20mm

Open Centre

Description	Pack Size	Prod. No.	Pack Size	Prod. No.
Crimp caps, 8mm				
Aluminum with TFE/red rubber, 4.0mm opening, 1.0mm thick	100	SU860077	–	–
Aluminum with red PTFE/white silicone/red PTFE, 4mm opening, 1.0mm thick	100	SU860087	1000	SU860028
Aluminum with PTFE/silicone, 1.0mm thick	200	33273-U	1000	33274-U
Aluminum with red PTFE/silicone, 1.0mm thick	100	27359	1000	27372
Aluminum cap, clear, 4.0mm centre hole, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860087	1000	SU860028
Crimp caps, 11mm				
Aluminum, clear, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854140	1000	854980-U
Aluminum, green, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854142
Aluminum, red, 5.5mm opening, TEF/natural rubber, 1.0mm thick	–	–	1000	854144
Aluminum, blue, 5.5mm opening, TEF/natural rubber, 1.0mm thick	100	854187	–	–
Aluminum, gold, 5.5mm opening, TEF/natural rubber. 1.0mm thick	100	854188	–	–
Aluminum, clear, 5.5mm opening, PTFE/white silicone, 1.3mm thick	100	SU860094	1000	SU860016
Aluminum, clear, 5.5mm opening, red PTFE/white silicone/red PTFE, 1.0mm thick	100	SU860080	–	–
Crimp caps, 20mm				
Caps with PTFE/butyl septa				
Aluminum cap, plain, 10mm centre hole, 3.0mm thick	100	854979	–	–
Caps with molded PTFE/butyl septa (Pharma-Fix)				
Aluminum cap, plain, 10mm centre hole, PTFE/butyl molded, 3.0mm thick	100	SU860011	–	–
Magnetic cap, plain, 5.0mm centre hole, PTFE/butyl molded, 3.0mm thick	100	854178-U	–	–
Magnetic cap, plain, 8.0mm centre hole, PTFE/butyl molded, 3.0mm thick	100	SU860014	–	–
Caps with PTFE/silicone septa				
Aluminum cap, plain, 10mm centre hole, white PTFE/blue silicone, 3.0mm thick	100	SU860010	–	–
Aluminum cap, plain, 10mm centre hole, beige PTFE/white silicone, 3.0mm thick	100	854996	–	–
Magnetic cap, gold, 5.0mm centre hole, white PTFE/blue silicone, 3.0mm thick	100	854179-U	–	–
Magnetic cap, gold, 8.0mm centre hole, white PTFE/blue silicone, 3.0mm thick	100	SU860015	–	–
Magnetic caps for SPME vials				
Magnetic cap, gold, 8.0mm centre hole, blue PTFE/white silicone, 1.5mm thick	100	SU860053	–	–
Magnetic cap, gold, 8.0mm centre hole, black viton, 1.0mm thick	100	SU860106	–	–
Other caps for 20mm headspace vials				
Polyethylene cap, transparent, 8.4 x 22mm, 4.3 centre hole, grey PTFE/cream butyl, 1.3mm thick	100	854177-U	–	–
Polyethylene cap, transparent, 8.4 x 22mm, 4.3 centre hole, white PTFE/blue silicone, 1.3mm thick	100	854158-U	–	–

Pharma-Fix septa

Cross Reference Table for Vials

Agilent	Varian	Waters	Chromacol	Finneran	Kimble	National	Wheaton	Supelco
Glass vials with an 8mm finish								
5180-0841			03-CVG	30308-632		C4008-632R		SU860056
5180-0844			02-CTVG			C4008-632C		SU860057
			08-CV	30808-830		C4008-1		33275
			08-CV	30808-830		C4008-1		33276
			07-CPV			C4008-739		SU860058
			07-CPV			C4008-739		SU860025
			07-CPV(A)	30708-740A		C4008-740		SU860059
			07-CPV(A)	30708-740A		C4008-740		854027
			08-CPV	30808-740		C4008-741		SU860060
			08-CPV	30808-740		C4008-741		SU860023
			08-CPV(A)	30808-740A		C4008-742		SU860061
			08-CPV(A)	30808-740A		C4008-742		SU860024
Glass vials, 12 x 32mm, snap top vial, 6.0mm opening								
5182-0544				32011S-1232		C4011-5	225179	SU860068
5183-4504				32011S-1232		C4011-5	225179	854974
5182-0546		WAT094219	2-RV	32011SM-1232		C4011-5W	225179-01	SU860081
5182-0545		WAT094220	2-RV(A)	3211SM-1232		C4011-6W	225179-03	SU860082
Glass vials, 12 x 32mm, crimp top, 6.0mm opening								
								SU860063
								854981
								27241
								27242-U
9301-1388	392620525		03-FIV		60745-1232	C4012-10	225220-01	24714
	392520542							SU860008
Crimp caps for 12 x 32mm vials								
5181-1210	392611632		11-AC7	5140-11		C4011-1AP	224211-01	854140
5183-4498	392620524		11-AC7	5140-11		C4011-1A	224211-01	854980-U
5181-1216			11-AC7(G)	5140-11G	73825D-11	C4011-98G	224211-07	854142
5181-1217			11-AC7(R)	5140-11R	73825B-11	C4011-98R	224211-06	854144
5181-1215			11-AC7(B)	5140-11B	73825C-11	C4011-98B	224211-05	854187
			11-AC7(GO)	5140-11Y	73825E-11	C4011-98Y		854188
5182-0552	392611631			5150-11	73824T-11	C4011-4A	224219-01	SU860094
5183-4500	392620523			5150-11	73824T-11	C4011-4A	224219-01	SU860016
5181-1211			11-AC-TST1	5160-11	73814T-11	C4011-2A	224231-01	SU860080
			11-MCBC-SR15					SU860096
			11-MCBC-SR15					SU860018
								SU860095
								SU860017
Glass vials, screw thread, 12 x 32mm. 4.6mm opening								
	39611639			32008-1232		C4013-1	W225900	854982
	3961 1639			32008-1232		C4013-1	W225900	854997
				32008-1232A		C4013-2	W225910	SU860083
				32008-1232A		C4013-2	W225910	854983
			2-SV	32008M-1232				854171
			2SV(A)	32008M-1232				854172
			1.1-STVG	31108-1232				27317
			1.1-STVG	31108-1232				27318
Glass inserts for 4.6mm opening vials								
			02-MTVMP	401-531		C4012-531L		854995

Cross Reference Table for Vials Continued

Agilent	Varian	Waters	Chromacol	Finneran	Kimble	National	Wheaton	Supelco
Glass vials, crimp top, 12 x 32mm. 6.0mm opening								
		WAT063300		32010-1232		C4010-1	224626	SU860012
5181-3375	392611634	WAT094222		32011L-1232	60821G-1232	C4011-1	225175	SU860055
5183-4491	392620517	WAT094222		32011L-1232	60821V-1232	C4011-1	225175	854964
			1.1-CTVG	31111-1232A	60837A-1232			27310
			1.1-CTVG	31111-1232	60837A-1232			27311
			TTS-313					27335
5182-0543		WAT094222	2-CV	32011LM-1232	60821W-1232	C4011-1W	225174	SU860064
5183-4492			2-CV	32011LM-1232	60821W-1232	C4011-1W	225174	854500
5181-3376	392611635	WAT094223	2-CV(A)	3211LM-1232A	60825A-1232	C4011-2W	225173	854998
			09-CTV		60837H-1032			27333
5182-3454	392620502		1.5-HRCV	31511-1232	60200-1232	C4011-9	W225171	27274
Glass vials, 12 x 32mm, 9mm thread, 6.0mm opening								
5182-0714	392611653	186000273		32009-1232		C4000-1	W225150	854105
	392620500			32009-1232		C4000-1	W225150	854105
5182-0715		186000845	2-SVW	32009M-1232		C4000-1W	W225151	854165
5182-0716	392611654	186000848	2-SVW(A)	32009-1232A		C4000-2W	W225153	SU860033
Glass inserts for 6mm opening vials								
5183-2085	392611596		02-MTVWG	4025-629	60840-631	C4010-629L		SU860067
5183-2085	392620536		02-MTVWG	4025-629	60840-631	C4010-629L		854988
5183-2085	392611596		02-MTVWG	4025-629		C4010-627L		24717
5183-2085	392611596		02-MTVWG	4025-629		C4010-627L		24718
5181-1270	392611594	WAT094171	02-MTV	4025BS-629		C4010-630	225265	SU860066
5181-1270	392620538	WAT094171	02-MTV	4025BS-629		C4010-630	225265	854110
5181-3377			03-NV	4035-630		C4011-631	225350-631	24715
5181-3377			03-NV	4035-630		C4011-631	225350-631	24716
Glass vials, 15 x 45mm, screw thread								
5183-4448		186000840	4-SV	34013-1545		C4015-1		854190
5183-4450		186001135	4-SV(A)	34013-1545A		C4015-2		854986
Headspace vials								
			10-HSV					SU860099
5188-2753			20-HSV					SU860097
								SU860100
								SU860098
				320020A-2375		C4020-2	225280	SU860049
5182-0838	RK60827510		10-CV	310020-2346		C4020-10		SU860029
5182-0837			10-CV	310020A-2346		C4020-10	225278	854180-U
			20-CV	320020-2375		C4020-20	985688	SU860030
			9-CV					854151
			20-CV	320020A-2375				854181-U
								SU860051
Glass vials, 24mm finish, 20-60mL								
			20-EPA-SV(A)					854991
			40-EPA-SV				224833	SU860001
			40-EPA-SV(A)				224836	23702-U

Vial Racks

Glass Magnet Products

Our glass magnet sheet prevents your glass apparatus from being knocked over accidentally. This 2′ x 2′ sheet (61 cm x 61 cm), with its tacky surface, effectively secures the vessels in place. It can be cut with a razor blade or utility knife to fit strategically on counter tops or in drawers containing fragile glassware. Add it to carts when transporting glass to another lab or into the field.

The glass magnet vial holder keeps individual vials, ampuls, and other vessels in place.

Space Saver Stack Racks

Economical and convenient storage for samples in your screw cap and crimp cap vials. Can be stacked when empty or full. Autoclavable, 120°C. Each case contains 5 racks.

Glass magnet products

Description	Prod. No.
Glass magnet sheet, 2′ x 2′ (61 x 61 cm)	57269
Glass magnet vial holder, 4″ dia., pk. of 2	57270

Space saver racks

Vial Diam (mm)	No. Vials Per Rack	Rack Dimensions L x W x H (mm)	Prod. No.
6-8	96	183 x 125 x 23	23204-U
11-12	50	192 x 100 x 23	23207
15-16	48	268 x 95 x 30	23205-U
17	90	320 x 170 x 30	23202
22	36	320 x 90 x 30	23201
29	50▲	336 x 175 x 30	23206

▲ 40 mL EPA vial

Crimpers/Decappers

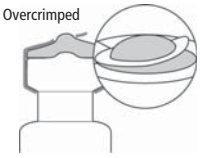
The Supelco hand held crimper provides a consistent and dependable seal that allows secure vial closure each and every time. The high quality construction is engineered for durability and long life to provide a smooth and simple operation. The adjustable stop accommodates a wide range of cap and septa thickness.

- High quality construction for durability and long life
- Consistent, dependable performance
- Smooth, simple operation
- Painted, plated or coated for maximum corrosion resistance
- Less expensive than competitive models

Crimpers and decappers

Description	Pack Size	Prod. No.
8mm		
Hand crimper 8.0mm	1	33272-U
Decapper, pliers-type, 8.0mm cap	1	33284
Decapper for 8.0mm caps	1	33180-U
11mm		
Hand crimper, 1.0mL, 11mm cap	1	33195
Adjustable hand crimper, 1mL, 11mm cap	1	22313-U
Decapper 11mm cap	1	33281
Decapper for 11mm caps	1	33181-U
13mm		
Hand crimper, 2.0mL, 13mm cap	1	33279-U
Decapper 13mm cap	1	33282
Decapper for 13mm cap	1	33182-U
20mm		
Hand crimper, 5-100mL, 20mm cap	1	33280-U
Adjustable hand crimper, 5-100mL, 20mm cap	1	22316-U
Decapper 20mm cap	1	33283
Decapper for 20mm caps	1	33183

An inappropriate crimp can be recognized by:

Correct Crimp Flat cap surface Flat septa surface	Undercrimped	Overcrimped	Overcrimped	Overcrimped	Overcrimped
					
Appearance					
	Loose aluminium edge	Upward bulge of the crimp cap	Deformation of the crimp cap sides	Convex looking liner	Rounded edges/upward bulge of the cap/liner
Solutions					
Tight fiiting of the aluminium edge Plain + undeformed cap sides	Adjust crimping pressure with the screw in the handle + Adjust crimping height with the hexagon key	Adjust crimping pressure with the screw in the handle + Adjust crimping height with the hexagon key	Adjust crimping height with the hexagon key	Adjust crimping pressure with the screw in the handle	Especially with headspace caps it is important not to overcrimp them. If the aluminium is stretched too much under the crimp neck, the bridges of the scorelines suffer too much stress and can break open at even low pressure (below 3 bars) or - in worst case - can even tear apart beside the scorelines

Vial Compatibility Chart

Vials	Volume	0.3mL	0.3mL	0.7mL	0.7mL	1.0mL	1.0mL	1.1mL	2.0mL	2.0mL	2.0mL	2.0mL	2.0mL	1.5mL	4mL	4
Dimensions		5.5 x 31.5mm	5.5 x 31.5mm	7 x 40mm	7 x 40mm	8 x 40mm	8 x 40mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	14.75 X 45mm	
Neck		Crimp neck 8mm	Crimp neck 8mm	Crimp neck 8mm	Crimp neck 8mm	Shell vial	Shell vial	Crimp neck 11mm	Crimp neck 11mm	Crimp neck 11mm	Snap ring 11mm	Short thread 9mm	Screw neck 8mm	Screw neck 10mm	Screw neck 13mm	
Opening		Standard	Standard	Standard	Standard	Standard	Standard	Wide, 6mm	Standard, 4.6mm	Wide, 6mm	Wide, 6mm	Wide, 6mm	Standard, 4.6mm	Wide, 6mm	Standard	
Top		Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	
Bottom		Conical	Round	Conical	Flat	Flat	Flat	Conical	Flat	Flat	Flat	Flat	Flat	Flat	Flat	
Agilent LC	1050	X	X						X	X	X	X				
Agilent LC	1090	X	X						X	X	X	X				
Agilent LC	1100								X	X	X	X				
Agilent	7695A															
Agilent	7673A/7683	X	X						X	X		X			X	
Agilent	6850									X		X				
Agilent	HS7694															
Agilent									X	X	X					
Alcott Chrom	719D/718AL								X	X	X	X	X	X		
Alltech Associates	580								X	X	X	X	X	X		
Alltech Associates	570								X	X	X	X	X	X	X	
Beckman	501/502/507	X	X						X	X	X	X	X	X		
Beckman	504			X	X											
Beckman	502e/507e	X	X						X	X	X	X	X	X		
Beckman	Marathon							X	X	X	X	X	X			
Beckman	Promise/Triathlon							X	X	X	X	X	X			
Bruker	LC51														X	
Carlo Erba/Fisons	AS800/ 60 vial tray	X	X			X	X			X		X	X			
Carlo Erba/Fisons	AS800/42 vial tray							X	X	X		X	X			
Carlo Erba/Fisons	AS200			X	X					X			X			
Carlo Erba/Fisons	HS250/500/800															
Carlo Erba/Fisons	HS850															
Chrompack	CP-9020/9025															
CTC	HS 500															
CTC	HS CombiPAL			X	X			X		X						
CTC	HTS-PAL							X	X	X	X	X	X	X		
CTC	A200S			X	X				X	X		X	X			
Dani	ALS 39.80/ 86.80								X	X	X	X				
Dani	HS39.50/ 86.50															
Dimatoc																
Dionex																
Dynatech	42 vial tray							X	X	X		X				
Dynatech	231 XL, 232 XL								X	X		X	X			
Finnigan	A200S			X	X				X	X						
Fisons	AS 800/60 vial tray	X	X			X	X		X	X		X	X			
Fisons	HS500/ 800															
Fisons	HS850															
Gerstel	MPS2	X	X	X	X			X		X						
Gilson	(NOT ASPEC)			X	X											
Gilson	201/202 + 221/222											X	X			
Gilson	231/401 + 232/402											X	X			
Gilson	ASPEC											X	X			
Gilson									X							
Gynkotek	Gina					X	X		X	X	X	X			X	
Hitachi	L7250								X	X	X	X	X	X	X	
Hitachi	L8800										X	X				
Hitachi	L7200											X	X		X	
Hitachi	AS-2000/ AS-4000										X	X	X			
ICI	LC1600			X	X											
Infochroma									X	X	X					
Jasco	AS-1555/AS-1559								X	X	X	X	X			
Merck/Hitachi	AS-4000	X	X						X	X	X		X			
Merck/Hitachi	LaChrom												X		X	
PerkinElmer	HS 6															
PerkinElmer	HS100/ 101/ 40															
PerkinElmer	Integral 4000								X	X				X		
PerkinElmer	ISS-100/ 200								X	X						
PerkinElmer	LC 600 42vial tray								X							

4mL	5mL	10mL	10mL	10mL	10mL	10mL	20mL	20mL	20mL	20mL	20mL	20mL	20mL	7mL	15mL	20mL	22mL	40mL	60mL
14.65 x 44.6mm	22 x 38.2mm	20 x 54.5mm	22.5 x 46mm	22.5 x 46mm	23 x 46mm	22.5 x 46mm	23 x 75.5mm	22.5 x 75mm	22.6 x 75mm	22.5 x 75mm	23 x 75mm	23 x 75mm	22.5 x 75mm	17 x 60mm	21 x 70mm	27.5 x 57mm	23 x 85mm	27.5 x 95mm	27.5 x 140mm
15mm with PE Plug	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Screw neck 18mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp with 5.2mm neck	Crimp neck 20mm	Screw neck 18mm	Screw neck 15mm	Screw neck 18mm	Screw neck 24mm (20mL)	Screw neck 20mm	Screw neck 24mm (40mL)	Screw neck 24mm (60mL)
Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Flat	Beveled	Flat	Flat	Flat	Beveled	Flat	Beveled	Flat	Beveled	Flat	Flat	Beveled	Flat	Screw neck	Screw neck	Screw neck	Screw neck	Screw neck	Screw neck
Flat	Round	Flat	Flat	Round	Flat	Round	Round	Round	Round	Round	Round	Flat	Round	Flat	Flat	Flat	Flat	Flat	Flat
																X		X	X
			X																
	X			X	X														
				X	X														
			X																
				X	X														
				X															
				X		X		X		X			X						
			X					X	X										
																X		X	X
																X		X	X
				X	X														
			X																
				X	X	X		X		X	X	X	X						
X																			
	X						X		X		X	X							
	X						X		X		X								
							X												

Vials	Volume	0.3mL	0.3mL	0.7mL	0.7mL	1.0mL	1.0mL	1.1mL	2.0mL	2.0mL	2.0mL	2.0mL	2.0mL	1.5mL	4mL	4
Dimensions		5.5 x 31.5mm	5.5 x 31.5mm	7 x 40mm	7 x 40mm	8 x 40mm	8 x 40mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	12 x 32mm	14.75 X 45mm	
Neck		Crimp neck 8mm	Crimp neck 8mm	Crimp neck 8mm	Crimp neck 8mm	Shell vial	Shell vial	Crimp neck 11mm	Crimp neck 11mm	Crimp neck 11mm	Snap ring 11mm	Short thread 9mm	Screw neck 8mm	Screw neck 10mm	Screw neck 13mm	
Opening		Standard	Standard	Standard	Standard	Standard	Standard	Wide, 6mm	Standard, 4.6mm	Wide, 6mm	Wide, 6mm	Wide, 6mm	Standard, 4.6mm	Wide, 6mm	Standard	
Top		Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	Flat	
Bottom		Conical	Round	Conical	Flat	Flat	Flat	Conical	Flat	Flat	Flat	Flat	Flat	Flat	Flat	
Phillips/Pye UNICAM	LC-XP														X	
SGE	LS-3200			X	X											
Shimadzu	AOC-14/1400								X	X			X	X	X	
Shimadzu	AOC 5000	X	X	X	X					X						
Shimadzu	ASI-V															
Shimadzu	LC-10A								X	X	X	X	X	X	X	
Shimadzu	SIL-10A								X	X	X	X	X	X	X	
Shimadzu	SIL-2AS	X	X						X	X	X	X	X	X	X	
Shimadzu	SIL-6A	X	X						X	X	X	X	X	X	X	
Shimadzu	SIL-6B/SIL-9A								X	X	X	X	X	X	X	
Spark	Marathon/Promis								X	X	X	X	X			
Spark	Midas/SPH 125								X	X	X	X	X			
Spark	Triathon								X	X	X	X	X			
Spectra-Physics	8875/ 8880								X	X	X	X	X			
Spectra-Physics	AS 1000/ 3000	X	X						X	X		X	X	X		
Spectra-Physics	SpectraSYSTEM	X	X	X	X				X	X	X	X	X	X		
Talbot									X	X	X	X				
Tekmar																
Thermo																
Thermo	AS 800												X			
Thermo	HS 500															
Thermo	HS 850															
Thermo	Trace GC 2000 + AS2000					X	X	X	X	X		X	X			
Thermo	Trace GC 2000 + HS2000															
Tosoh	AS-8010								X	X	X	X				
Tosoh	TSK-6080								X	X	X	X			X	
TSP	8875/ 8880								X	X	X	X	X			
TSP	SpectraSYSTEM	X	X	X	X			X	X	X	X	X	X	X		
Unicam	4247/ 4710								X	X			X			
Unicam	4700 (GC)			X	X											
Unicam	4700 (LC)			X	X								X			
Unicam	LC-XP							X	X	X			X		X	
Unicam	S4/ S8			X	X											
Varian	8035												X			
Varian	8100/ 8200								X	X			X			
Varian	9090/ 9095/ 9100								X	X	X	X				
Varian	8000 Series								X	X			X			
Varian	CombiPAL															
Varian	CP-8400															
Varian	CP-8410															
Varian	Genesis															
Varian	Marathon							X	X	X	X	X	X			
Varian	Vista												X			
Viscotak	VortexTM															
Waters	48 position														X	
Waters	96 position															
Waters	Alliance, 2690								X	X	X	X		X		
Waters	Breeze										X	X	X		X	
Waters	Breeze/717 Plus										X	X	X		X	
Waters	2700 Sample Manager										X	X				
Waters	710/712/715								X	X					X	

4mL	5mL	10mL	10mL	10mL	10mL	10mL	20mL	20mL	20mL	20mL	20mL	20mL	20mL	7mL	15mL	20mL	22mL	40mL	60mL
15mm with PE Plug 14.65 x 44.6mm	22 x 38.2mm	20 x 54.5mm	22.5 x 46mm	22.5 x 46mm	23 x 46mm	22.5 x 46mm	23 x 75.5mm	22.5 x 75mm	22.6 x 75mm	22.5 x 75mm	23 x 75mm	23 x 75mm	22.5 x 75mm	17 x 60mm	21 x 70mm	27.5 x 57mm	23 x 85mm	27.5 x 95mm	27.5 x 140mm
Standard	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Screw neck 18mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp neck 20mm	Crimp with 5.2mm neck	Crimp neck 20mm	Screw neck 18mm	Screw neck 15mm	Screw neck 18mm	Screw neck 24mm (20mL)	Screw neck 20mm	Screw neck 24mm (40mL)	Screw neck 24mm (60mL)
Flat	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard	Standard
Flat	Beveled	Flat	Flat	Flat	Beveled	Flat	Beveled	Flat	Beveled	Flat	Flat	Beveled	Flat	Screw neck	Screw neck	Screw neck	Screw neck	Screw neck	Screw neck
Flat	Round	Flat	Flat	Round	Flat	Round	Round	Round	Round	Round	Round	Flat	Round	Flat	Flat	Flat	Flat	Flat	Flat
				X		X		X		X			X						
																X		X	X
				X	X														
	X																		
																X		X	X
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				X	X														
			X									X							
			X																
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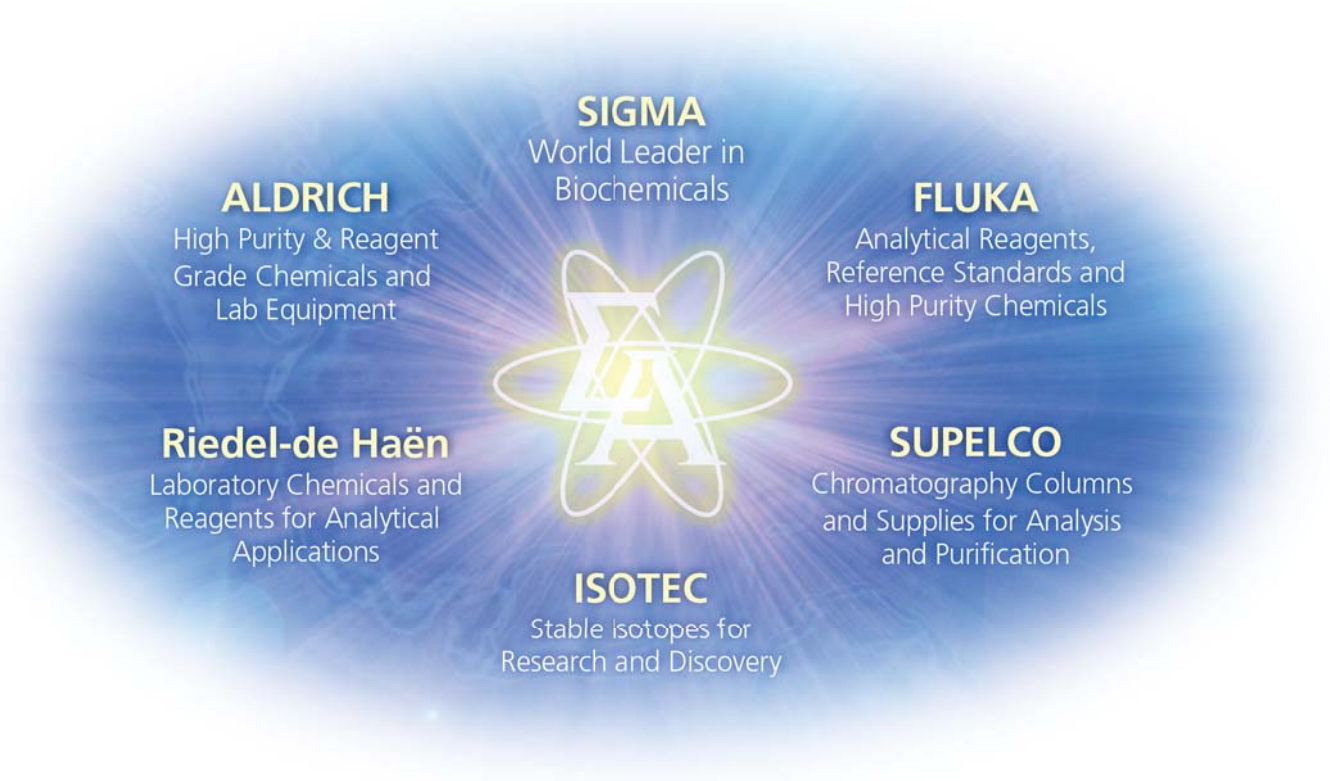

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