



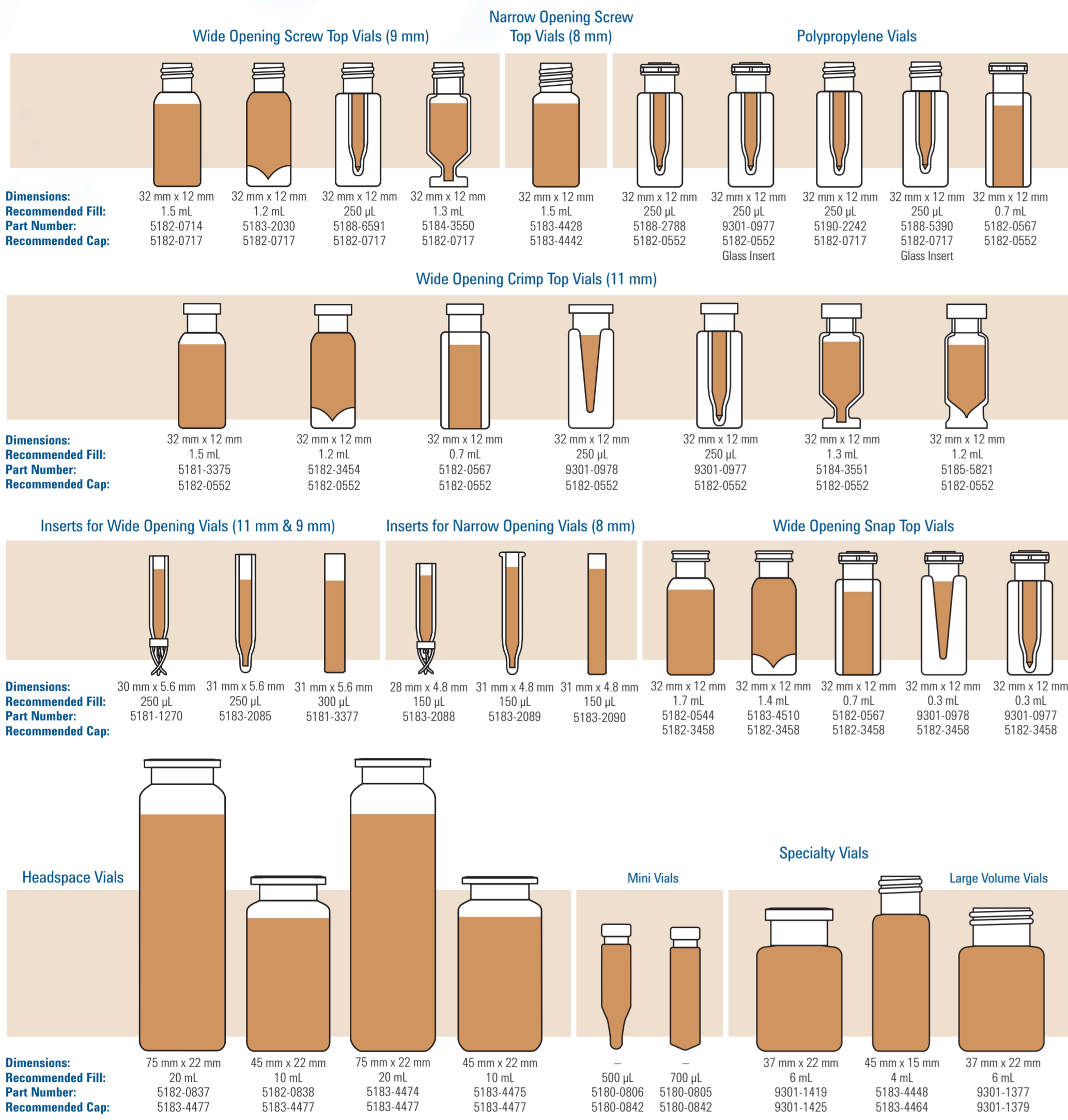
# From the experts in chromatography

A full portfolio of the highest quality vials – for more options, more productivity, more confidence

Vial integrity, cleanliness, and consistency are crucial to precision lab work. That's why Agilent offers a wide selection of the highest quality vials, caps, and septa to meet all your laboratory needs. Count on our expertise to help you make the right selection, and count on our technical support to keep you productive.

## Agilent Vials

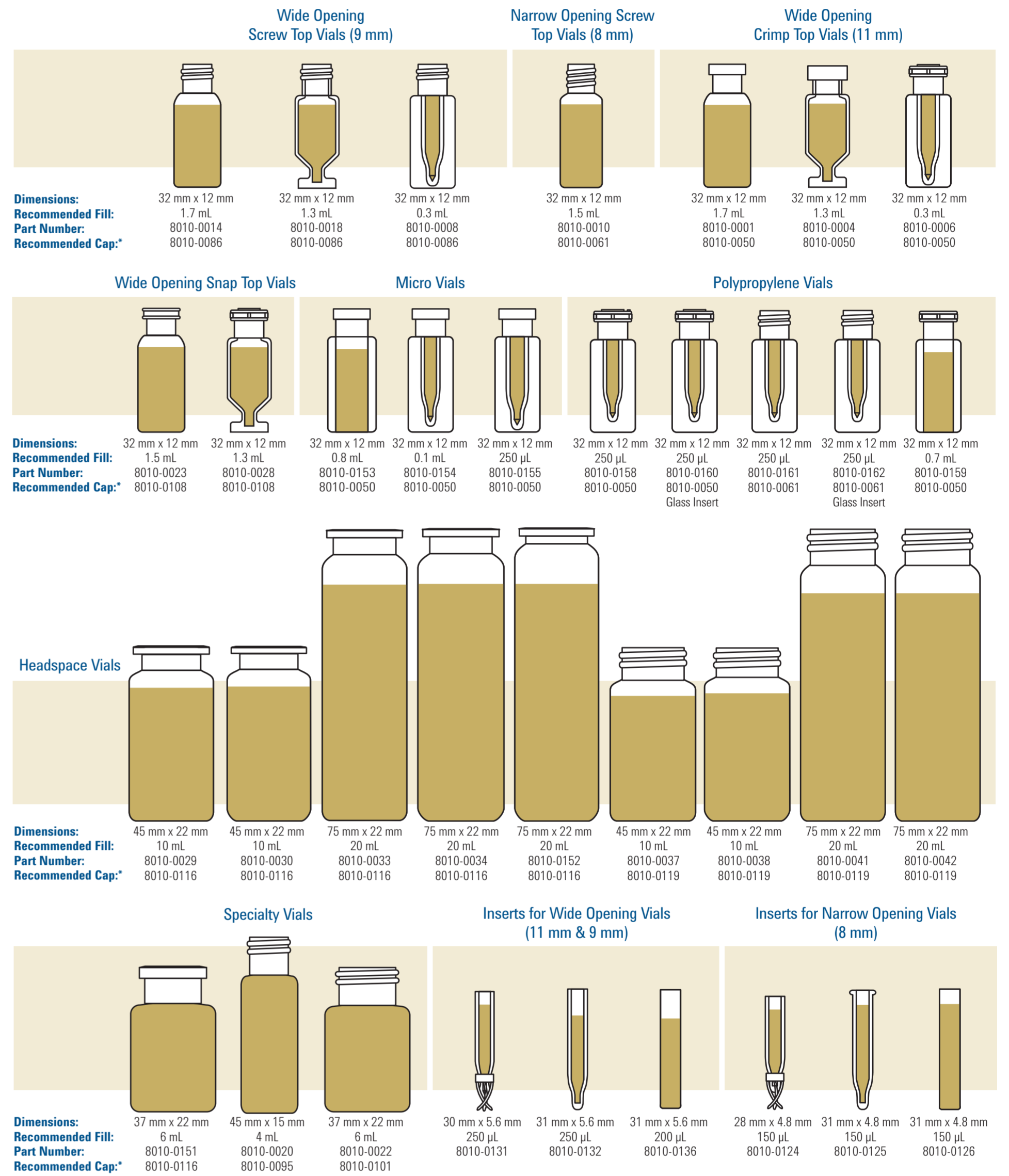
Agilent vials, caps, and septa have been engineered and designed with the same superior quality we build into Agilent instruments. When you put our 40 years of innovation and excellence into your vials and caps, you can have complete confidence in your results.



All vials are available in amber.  
All vials with dimensions specified are shown at actual size.

## Agilent CrossLab Vials

Need vials for other autosamplers? With Agilent CrossLab, you have the convenience of getting all your vials, caps, and septa from Agilent – regardless of which instruments you use in your lab. Agilent CrossLab vials perform seamlessly with Varian (now Bruker), PerkinElmer, Shimadzu, Thermo Scientific, and others.



\*Caps are available in a variety of colors.

## Choosing the Right Septa

The two charts below show you which septa are best for your samples and solvents.

Septa Chemical Compatibility	PTFE	PTFE/Silicone	PTFE/Silicone/PTFE*	PTFE/Red Rubber	Viton	PTFE/Butyl
Acetonitrile	♦	♦	♦	♦	♦	♦
Hydrocarbons (hexane, heptane, methane)	♦	♦	♦	♦	♦	♦
Methanol	♦	♦	♦	♦	♦	♦
Benzene	♦	♦	♦	♦	♦	♦
THF	♦	♦	♦	♦	♦	♦
Toluene	♦	♦	♦	♦	♦	♦
DMF	♦	♦	♦	♦	♦	♦
DMSO	♦	♦	♦	♦	♦	♦
Ether	♦	♦	♦	♦	♦	♦
Chlorinated solvents (methylene chloride)	♦	♦	♦	♦	♦	♦
Alcohols (ethanol)	♦	♦	♦	♦	♦	♦
Acetic acid	♦	♦	♦	♦	♦	♦
Acetone	♦	♦	♦	♦	♦	♦
Phenol	♦	♦	♦	♦	♦	♦
Cyclohexane	♦	♦	♦	♦	♦	♦

\*PTFE/silicone/PTFE has the same chemical compatibility of PTFE ONLY UNTIL PUNCTURED.

Cap and Septum Compatibility	Thin PTFE	PTFE/Silicone*	PTFE/Silicone/PTFE*	PTFE/Red Rubber	Viton	Butyl	High Performance Septa
Temperature range	Up to 260 °C	-40 °C to 200 °C	-40 °C to 200 °C	-40 °C to 90 °C	-40 °C to 260 °C	-50 °C to 150 °C	Up to 300 °C for up to 1 hour
Use for multiple injections	No	Yes	Yes	No	No	No	Yes
Price	Very economical	Economical	Most expensive	Very economical	Economical	Economical	More expensive
Resistance to coring	None	Excellent	Excellent	None	None	None	Excellent
Recommended for storage	No	Yes	Yes	No	No	No	No
Best for	Superior chemical inertness, short cycle times, and single injections	Most common HPLC and GC analyses, not as resistant to coring as P/S/P	Superior performance for ultra trace analysis, repeat injections, internal standards	Chlorosilanes, more economical option for single injections	Use with chlorinated solvents, higher temperatures	Use with organic solvents, acetic acids; impermeable to gases	High temperature headspace applications

\*Agilent silicone is platinum cured (versus peroxide cured), making it more inert and less likely to interact with samples.

## A Full Portfolio for All Your Needs

Choose the vial that's right for you.

	Product Families		Product Features						
	Certified for Agilent Autosamplers	CrossLab for Non-Agilent Instruments	Amber	Clear	Write-on Spot	Silanized	Convenience Pack	High Recovery	Fixed Inserts
2 mL Screw Top Wide Opening (9 mm)	♦	♦	♦	♦	♦	♦	♦	♦	♦
2 mL Screw Top Standard Opening (8 mm)		♦	♦	♦	♦	♦			
2 mL Crimp Top	♦	♦	♦	♦	♦	♦	♦	♦	♦
2 mL Snap Top		♦	♦	♦	♦	♦	♦	♦	♦
4 mL Screw Top		♦	♦	♦					
5 mL Screw Top		♦		♦				♦	
6 mL Screw Top		♦		♦					
Headspace Crimp Top	♦	♦	♦	♦			♦		
Polypropylene	♦	♦							♦
Microvolume Inserts	♦	♦	♦	♦		♦			
Headspace Screw Top		♦	♦	♦			♦		
Micro-V		♦	♦	♦					



Let the experts in chromatography help you select the right vial for your application. Get expert advice to ensure your vial is the best fit for your needs.

Try it:



Use your QR smartphone reader to scan this code, or visit [www.agilent.com/chem/SelectVials](http://www.agilent.com/chem/SelectVials)