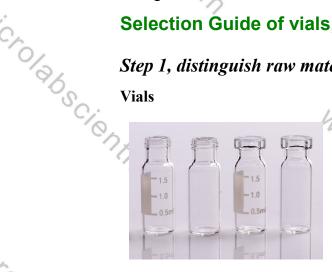


Microlab Autosampler Vials

Microlab Scientific offer a complete range of consumables for GC, HPLC and Headspace analysis. This comprises vials, caps, and septas. Microlab vials, caps and septa are manufactured with highly-sophisticated production technology out of high quality raw materials under strict standards of cleanliness. The vials are almost all made out of Type I, 33 expansion glasses. The flared end of the vial makes loading a liquid sample much easier since the flare helps guide the syringe needle into the vial. The flared end also makes the vial much stronger so that vials can easily be inserted and removed from the end of the probe using tweezers without breaking the glass.

Microlab sample vials improve your laboratory productivity, by reducing costs and

Dicrolabse



Clear glass vials

- Borosilicate Made from Type 1 Class A glass of ASTM E438
- Most chemically inert composition of glass readily available for today's laboratories
- Has an expansion coefficient of approximately 33x10-7° C



Amber glass vials

- Made from Type 1 Class B Borosilicate glass of ASTM E438
- This mixture is more alkaline than Class A glass, but is adequate for many uses in the laboratory
- All amber borosilicate glass is made of Class B unless otherwise specified
- Has an expansion coefficient of 51x10-7° C

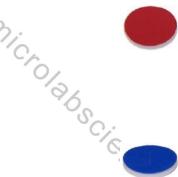
Caps for vials







Septa



PTFE/Silicone

- Excellent resealing capabilities
- Highly recommended for multiple injections and sample storage
- Resists coring and is autoclavable
- PTFE chemical resistance until punctured then the septa/liner will have the compatibility of silicone
- Temperature range -40° C to 200° C



Pre-slit PTFE/Silicone

- Reduces the possibility of coring with blunt tipped needles or for applications using a thin gauge needle
- Used to prevent vacuum from forming inside the vial
- Temperature range -40° C to 200° C

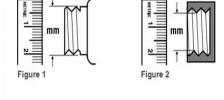
Step 2, how to measure for vial, cap and septa

Vials and caps are described with a two-part number system referred to as the Finish. (Example: 13-425). The first number represents the neck size of the vial or cap in millimeters.

The vial is measured from the outside edge of the threads on one side to the outer edge of the threads on the opposite side (Figure 1). The cap is measured from one side of the inner wall to the opposite side of the inner wall (Figure 2).

The second number describes the thread pattern and assures the bottle and cap will fit together (Figure 3).

Septum size can be determined by comparing septa or crimp seals to the measured circles (Figure 4).













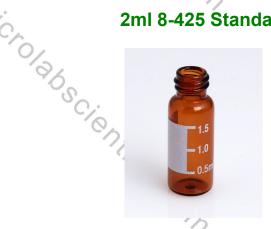


Microlab 2ml and 4ml Autosampler Vials

Features:

- Tightest dimensional tolerances in industry
- MS scan on certificate in every pack
- Raw Material: Glass tubing, Borosilicate, Type 1, Class A from Schott.
- Computerized camera system for quality control throughout the manufacturing process to test critical dimensions, including Height, Diameter, Bottom Thickness and Neck/Thread.
- Only vial/cap/septum combination tested by LCMS for cleanliness
- Cap/Septum tested by head space GC to ensure proper curing of silicone

2ml 8-425 Standard Mouth Screw Thread Vials, 12*32mm



- The original, standard opening vial with an 8-425 thread size screw cap.
- Work with a variety of autosamplers requiring narrow neck vials.
- Available with black caps and a variety of septa to meet the needs of your application.

Order Information Vials, 100pcs/pk

	Order Information Vials, 100pcs/pk	neet the needs	of your appli	cation.	
Olabscient,	Description	Microlab Scientific	Agilent	Crouns	La-pha-pack
	2ml Clear vial, 8-425 screw top	SV0802C	5183-4428	VZS-0208C -100	11 09 0210
	2ml Clear vial, 8-425 screw top, graduated with writing area	SV0812C		VZS-0208C -100	11 09 0419
	2ml Amber vial, 8-425 screw top	SV0802A	5183-4429	VZS-0208A -100	11 09 0259
	2ml Amber vial, 8-425 screw top, graduated with writing area	SV0812A		VZS-0208A -100	11 09 0382

Caps+Septa for 8-425 screw top vials, 100pcs/pk

	9	
/2,	Caps+Septa for 8-425 screw top vials, 100pcs/pk	
400	Description	Part#
C/	Caps+Septa preassembled	
07.	White PTFE/red silicone septa + Black screw cap with hole, for 8-425	SV0801CS
(1)	Red PTFE/white silicone septa + Black screw cap with hole, for 8-425	SV0802CS
* /	Blue PTFE/White silicone septa, Pre-slit+ Black screw cap with hole, for 8-425	SV0803CS





2ml 9-425 Wide Mouth Screw Thread Vials, 12*32mm



- 40% larger opening than standard narrow opening
- The Universal Autosampler Vial: Compared with 11mm crimp top type, the 9-425 screw one can be much applied as hand removing convenient.

The vials can be used on all common autosamplers due to ...
found on Agilent, ...
Varian, Waters, etc. due to their technical geometry, preferentially they are found on Agilent, HTA, Shimadzu, Thermo,

Order Information Vials, 100pcs/pk

Ca	Order Information <i>Vials, 100pcs/pk</i>		396		
0/2/	Description	Microlab Scientific	Agilent	Crouns	La-pha-pack
, C.	2ml Clear vial, 9-425 screw top	SV0902C	5182-0714	VZS-0209C -100	11 09 0500
(a)	2ml Clear vial, 9-425 screw top, graduated with writing area	SV0912C	5182-0715	VZS-0209C -100	11 09 0519
	2ml Amber vial, 9-425 screw top	SV0902A	5188-6535	VZS-0209A -100	
	2ml Amber vial, 9-425 screw top, graduated with writing area	SV0912A	5182-0716	VZS-0209A -100	11 09 0520

Caps+Septa for 9-425 screw top vials, 100pcs/pk

	graduated with writing area	SV0912A	5182-0716	-100	11 09 0520
0/	Caps+Septa for 9-425 screw top	vials 100nes/	ink C		
96	Description	viuis, 100pcs/	ρκ 🚫		Part#
C.	Caps+Septa preassembled				
0	White PTFE/red silicone septa + Blu	e screw cap wit	th hole, for 9-4	125	SV0901CS
	Red PTFE/white silicone septa + Blu	e screw cap wit	th hole, for 9-4	25	SV0902CS
	Blue PTFE/white silicone septa, Pre-	slit + Blue screv	w cap with hol	e, for 9-425	SV0903CS
	· C-	·′C.			

2ml 11mm Wide Mouth Crimp Top Vials, 12*32mm



- Standard vials for GC and HPLC
- 40% larger opening than standard narrow opening vials enables easy filling and improves auto-sampler needle accuracy.
- Provides the tightest seal, needs crimping tool.
- Precision-formed neck for improved autosampler handling





Order Information Vials, 100pcs/pk

La-pha-pack
1 11 09 0356
11 09 0330
-1 11 09 0476
11 09 04/0
-1
11 09 0477

Caps+Septa for 11mm crimp top vials, 100pcs/pk

	Caps+Septa for 11mm crimp t	op vials, 100pcs/pk	
	Description		Part#
· / _	Caps+Septa preassembled		
8	White PTFE/red silicone septa+ A	luminium cap, for 11mm crimp top vial	SV1101CS
46	Red PTFE/white silicone septa+ A	luminium cap, for 11mm crimp top vial	SV1102CS
O.C.		4	
6		The second	
	2ml Wide Mouth Span	Ping Wiele 12*22mm	0,
	2ml Wide Mouth Snap	King viais, 12 32iiiiii	7
	>	40% larger target area which makes it mu	uch safer for
		the autosampler needle.	
	>	Use Snap or crimp cap.	
	>	Unique design allows secure seal.	
)/		Pracision formed nack improves autosan	nnlar



- 40% larger target area which makes it much safer for
- > Unique design allows secure seal.
- Precision-formed neck improves autosampler JEIFIC COM handling.

Cioni	Order Information Vials, 100pcs/pk	4		Col.	Ś
	Description	Microlab Scientific	Agilent	Crouns	La-pha-pack
96	2ml Clear vial, snap top,12*32mm	SV0902C	5182-0544	VZS-02SC-1 00	11 09 0627
	2ml Clear vial, snap top, graduated with writing area,12*32mm	SV0912C	5182-0546	VZS-02SC-1 00	11 09 0644
S	2ml Amber vial,snap top,12*32mm	SV0902A			
abscienti,	2ml Amber vial,snap top,graduated with writing area,12*32mm	SV0912A	5182-0545	VZS-02SA-1 00	11 09 0645
	C. C.	. Wich		77	





Caps+Septa for 11mm crimp top vials, 100pcs/pk

	Caps+Septa for 11mm crimp t	op vials, 100pcs/pk				
5.	Description		Part#			
Ch	Caps+Septa preassembled					
0/	White PTFE/Red silicone septa + :	snap cap with hole, for 2ml snap top vial	SV1201CS			
96	Red PTFE/White silicone septa + :	snap cap with hole, for 2ml snap top vial	SV1202CS			
4ml 13-425 Screw Thread Vials, 45*15mm						
		15x45mm vials have a 13-425 GPI threathold up to 4ml of sample. Use the 13 x 425 caps with septa for use vials and with diffusion caps for wash vials and top servey seeks these vials are all	as sample als. With			



- 15x45mm vials have a 13-425 GPI thread and can hold up to 4ml of sample.
- ➤ Use the 13 x 425 caps with septa for use as sample vials and with diffusion caps for wash vials. With closed top screw seals, these vials can also be used as storage vials.
- The vials are preferentially used on instruments of the following manufacturers: Dionex, Shimadzu(AOC-14/1400, LC-10A and the SIL-2AS), Spark, Varian, VWR (MERCK®)/ Agilent 6850 autosampler tray (G2880A), Perkin-Elmer Autosystem GC, Waters 48 position tray autosampler, etc.

Order Information Vials, 100pcs/pk

*	Order Information <i>Vials, 100pcs/pk</i>		400		
96	Description	Microlab Scientific	Agilent	Crouns	La-pha-pack
0.0%	4ml Clear vial, 13-425 screw top	SV1304C	5183-4448	VZS-0415C- 100	13 09 0222
	4ml Clear vial, 13-425 screw top,graduated with writing area	SV1314C		VZS-0415C- 100	13 09 1335
	4ml Amber vial, 13-425 screw top	SV1304A	5183-4450	VZS-0415A- 100	13 09 0280
	4ml Amber vial,13-425 screw top,graduated with writing area	SV1314A		VZS-0415A- 100	13 09 1336

Caps+Septa for 11mm crimp top vials, 100pcs/pk

	top,graduated with writing area	34131471		100	13 09 1330
/-			C/		
96	Caps+Septa for 11mm crimp top	vials, 100pcs	/pk	ul.	
2	Description				Part#
C.,	Caps+Septa preassembled				
Dx.	Red PTFE/White silicone septa + Bla	nck cap with ho	le, for 4ml scr	ew top vial	SV014CS
	Red PTFE/White silicone septa + Bla	ick cap without	hole, for 4ml	screw top vial	SV104CS
*	C	· 1/2			
	C	C			





Microlab Headspace Vials

In headspace analysis, the sample is sealed into the vial and heated until the concentration in the gas phase (headspace) is in equilibrium with the concentration in the liquid phase. An aliquot from the headspace is then analyzed. These beveled neck vials are available in both 10 ml and 20 ml capacities, flat or rounded bottom. The 20 mm crimp caps provide a consistently secure seal.



Feature

- Headspace vials made of Type I, 33 expansion glasses
- Choice of crimp or screw top vials, two vial sizes, 10/20ml
- Six finish styles available, available in flat or rounded bottom designs
- Choice of a pressure safety release cap at 45 psi

Order Information

Vials

6	Vials Vials	
0/2	Description	Part#
96-	10ml Clear vial, 22.5×46mm, 20mm crimp top, flat bottom	SV010C
S.	20ml Clear vial, 22.5×75mm, 20mm crimp top, flat bottom	SV020C
0,	20ml Clear vial, 22.5×75mm, 20mm crimp top, round bottom	SV120C
	10ml Clear vial, 22.5×46mm, 18mm screw top, round bottom	SV110C
	20ml Clear vial, 22.5×75mm, 18mm screw top, round bottom	SV220C

Caps+Septa for 11mm crimp top vials, 100pcs/pk

	Description	Part#
	Caps+Septa preassembled	
Jabscientin	White PTFE/White Silicone septa + Aluminium cap with hole, for 10ml/20ml crimp top vial	SV020CS
	Red PTFE/White Silicone septa+ Aluminium cap with hole, for 10ml/20ml crimp top vial	SV120CS
	Blue PTFE/ White silicone septa + Silver screw cap with hole, for 18mm screw top vial	SV220CS
	Add: 16/E Kowloop Building, 555 Natan Boad Mangkok, Kowlo	on Hongko





Microlab Screw Vials for Storage/VOA Vails



- Recommended by EPA CFR Part 136 and under EPA 40 CFR 141
- Manufactured of Clear or Amber borosilicate
- Vials, caps and septa are available as separate components or as kits
- Temperature range -40°C to 125°C

24-400 Vials for Storage, 100pcs/pk

*	Description	Part#	
C	20ml Clear vial, 24-400 screw top	SV320C	
0/	20ml Amber vial, 24-400 screw top	SV320A	
96	40ml Clear vial, 24-400 screw top	SV040C	
S	40ml Amber vial, 24-400 screw top	SV040A	
	12, °C		
	Caps and Septa for Storage Vials, 100pcs/pk		
	Description	Part#	
	Caps+Septa preassembled		
	Nature PTFE/Nature silicone septa + Black screw cap without hole, for 24-400	SV024CS	
	screw top vial	3VU24C3	

	Description	Part#
	Caps+Septa preassembled	
	Nature PTFE/Nature silicone septa + Black screw cap without hole, for 24-400	SV024CS
	screw top vial	
	Nature PTFE/Nature silicone septa + Black screw cap with hole, for 24-400	SV124CS
0,	screw top vial	3 1 1 2 4 C 3
Olabscient	For General Questions, pls contact: info@microlabscientific.com For Technique Questions, pls contact: support@microlabscientific.com	Ś
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