



# 2024 CATALOGUE

## Solutions for Chromatography

Your Reliable Supplier of Chromatography Vials, Septa, Closures & Syringe Filters.

**BE SIMPLE,  
BE PROFESSIONAL**

[www.alwsci.com](http://www.alwsci.com)

 **ALWSCI**<sup>®</sup>  
Technologies



# Be Simple, Be Professional

/// Customize your laboratory solution

As a global supplier of Chromatography Vials, Closures, Septa and Syringe Filters, ALWSCI devotes analytical testing and laboratory consumables to provide high quality, efficient service and favorable price.

Besides, ALWSCI owns 10,000 SQM factory area with 5,000 SQM 100,000 grade cleaning room. To keep stable quality, improve productivity, and avoid any contamination from human interference, ALWSCI has invested in more than 10 automatic production lines presently.

To offer a better solution for sample preparation, full production line is available, including a series of sample vials from 1ML to 2,000ML, Septa from 4mm to 55mm diameter, and Syringe filters made of various membranes.

We would like to draw your attention to Ultra-Clean Septa and EPA Quality Vial Kit. These high quality consumables are mostly used for LC/MS, GC/MS and MS/MS in the environmental, chemical, food and pharmaceutical industries.

We have customers from pharmaceutical, life science, chemistry, technology, food processing industry and so on. Others like Universities, research institutions, government institutions, environmental test institutions, etc.



**Sign up for our newsletter:**

Do you want to learn more about innovations and developments in laboratory technology faster? Please visit [www.alwsci.com](http://www.alwsci.com)

# ALWSCI Group

## ALWSCI®

- Analysis: Autosampler Vials & Closures.
- Storage: Sample Vials & Closures.

## Labfil®

- Filtration: Syringe Filters, Membranes, and etc.

## Why choose us?

- Providing a wide range of Lab consumables.
- Variety OEM/ODM services and short delivery time.
- Rich experience with multinational companies.
- Dimensional accuracy for modern robotic autosamplers.
- Help to collect, identify, organize and protect your samples.
- Class 100,000 grade cleaning room, strict QC and R & D department center.
- With environmentally friendly packaging material.
- Cooperating with famous universities for R&D.
- Superior logistics system to offer door to door services.
- Efficient service and competitive price.

## Certificate

ALWSCI has obtained ISO/IEC17025, ISO13485:2016, ISO9001:2015, ISO45001 and ISO14001 certificates, and has also set high quality standards for itself and is fully responsible for all customers.

(Please contact our sales department before ordering. We will be happy to determine if we can provide the required certificate for your order.)



## More

Further products are available upon request! Hopefully you will find the introduction of our company not only informative, but also interesting.

We would like to thank you for taking time to visit our website.

[www.alwsci.com](http://www.alwsci.com)  
[www.labfil.com](http://www.labfil.com)  
[www.chinasepta.com](http://www.chinasepta.com)

Zhejiang ALWSCI Technologies Co., Ltd.

# ALWSCI TECHNOLOGIES



100,000  
Grade Cleaning Room



SOLAR  
PANELS



FACTORY APPEARANCE

# Product Contents



## Hit Products

- Bonded Closures / 7
- Certified Vials & Closures / 8
- Ultra-Clean Series / 9
- EPA/TOC Vials & Closures / 10-11
- Laboratory Safety System / 12-17
- Plastic Vials For PFAS Analysis / 18



## New Arrivals

- Barcoded Vials / 20
- 12mL Breath Testing Vial / 21
- Scintillation Vial / 22
- ALWSCI 96 Well Plates For Chromatography / 23



## Autosampler Vials & Closures

- Screw Neck ND8 / 25
- 5mm Micro Insert / 25
- Screw Neck ND9 / 26-27
- 6mm Micro Insert / 27
- Crimp Neck ND11 / 28
- Snap Neck ND11 / 29
- Screw Neck ND13 / 30
- Shell Vial / 30
- High Recovery Vial / 31
- COD Test Tube / 32



## Headspace Vials & Closures

- Screw Headspace ND18 / 34
- Crimp Headspace ND20 / 35
- 20mm Butyl Septa / 36
- ND20 Closures / 36
- Customized Service / 37



## Sample Vials & Closures

- Sample Vials & Closures / 40-41
- ND24 Sample Vials Pre-assembled / 42
- Sample Vial Kit Package / 43
- Tamper-Evident Closure & Glass Bottle / 44-45
- Boston Round Bottle / 46-47
- Wide Mouth Bottle / 48-49
- Soil Sampling Jar / 50
- Volumetric Flask / 51



## Laboratory Tools

- GC Septa / 53
- Vial Rack / 53
- Crimper & Decrimper / 53



## Welded Syringe Filter

- Nylon / 57
- PTFE / 58-59
- PVDF / 60-61
- CA / 62
- PES / 63
- RC / 64



## Economy Syringe Filter

- Nylon / 67
- PTFE / 68-69
- PVDF / 70-71
- PES / 72
- MCE / 73
- CA / 73



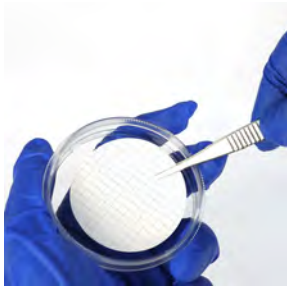
## Sterile Syringe Filter

- STERILE WELDED SYRINGE FILTER**
- Nylon/ 75
  - PES/ 75
  - PTFE/ 76
  - PVDF/ 77
- STERILE ECONOMY SYRINGE FILTER**
- Nylon/ 78
  - PES/ 78
  - PTFE/ 79
  - PVDF/ 80



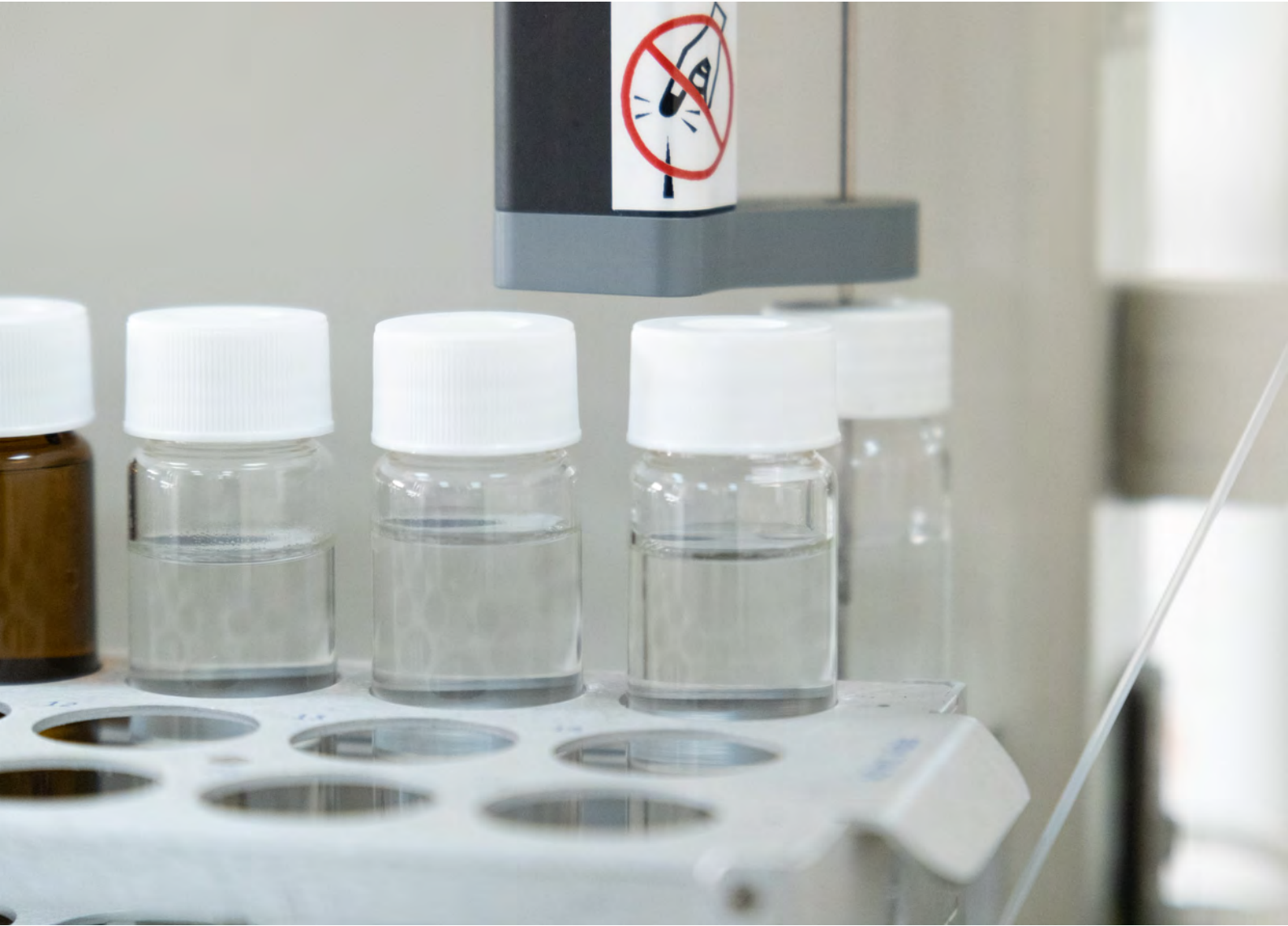
## Laboratory Syringe

- Laboratory Syringe / 81



## Membrane Filter

- Glass Solvent Filter / 82
- Sterile MCE Grid Membrane Filter / 83
- Membrane Filter / 83
- CA/MCE/PES/Nylon/PVDF/PTFE / 84
- Chemical Compatibility / 85



# 1. HIT PRODUCTS

- Bonded Closures / 7
- Certified Vials & Closures / 8
- Ultra-Clean Series / 9
- EPA/TOC Vials & Closures / 10-11
- Laboratory Safety System / 12-17
- Plastic Vials for PFAS Analysis / 18

## Bonded Closures



- Our bonding machines are fully automated to bond liners to caps using a mechanical bond without any adhesives or chemicals.
- No glue contamination.
- No additional assembly.
- Prevent liner fallout.
- Use with different polypropylene caps.
- Available in 1mm-3mm standard thicknesses; customization is available.
- Ideal for medical devices, diagnostics packaging and specialty chemicals.

### > ND9 Bonded Closures

ND9 Bonded Closures			
Ref.No.	C000144	C0001359	
Description	Blue 9-425 Open Top Ribbed Screw Cap Bonded with 9mm Red PTFE/White Silicone Septa 1mm Thick.	Blue 9-425 Open Top Ribbed Screw Cap Bonded with 9mm Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	
Package	100pcs/pk		

### > ND24 Bonded Closures

ND24 Bonded Closures			
Ref.No.	C0001414	C0001553	
Description	24-414 White Open Top PP Screw Cap Bonded with 22mm Natural PTFE/White Silicone Septa 3mm Thick.	24-414 White Open Top PP Screw Cap Bonded with 22mm Natural PTFE/White Silicone Septa 1.5mm Thick.	
Package	100pcs/pk		

## Hit Products

## Certified Vials &amp; Closures



- Resealable box helps to prevent contamination during use.
- Constructed with PTFE/ Silicone septa for contamination free sampling.
- UltraClean PTFE/ Silicone septa is optimized for gas chromatography and mass spectrometry.

## &gt; Certified - 2mL Vials &amp; Closures

2mL Kit			
Ref.No.	C0001170	C0001171	C0001172
Description	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label. Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick (UltraClean).	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label. Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT (UltraClean).	2mL Amber Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label. Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick (UltraClean).
Package	Vial Cap Septa are pre-assembled together. Blue Kit Packing. 100sets/pk		

Closures				
Ref.No.	C0001017	C0001037	C0001018	C0001021
Description	Black 8-425 Open Top Screw Cap with 8mm Red PTFE/White Silicone Septa 1.5mm Thick (UltraClean).	Black 8-425 Open Top Screw Cap with 8mm Blue PTFE/White Silicone Septa 1.5mm Thick (UltraClean).	Blue 11mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1mm Thick (UltraClean).	Red 9-425 Open Top Smooth Screw Cap with 9mm Red PTFE/White Silicone 1mm Thick (UltraClean).
Package	100pcs/pk			

Closures				
Ref.No.	C0001019	C0001020	C0001028	C0001056
Description	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick (UltraClean).	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT (UltraClean).	Blue 9-425 Open Top Ribbed Screw Cap with 9mm White PTFE/Red Silicone Septa 1mm Thick (UltraClean).	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Blue PTFE/White Silicone Septa 1mm Thick PRE-SLIT (UltraClean).
Package	100pcs/pk			

## Ultra-Clean Series



- While your instruments, sample processing, and experimental methods are constantly improving, your chromatography injection vial cap septa cannot be left behind to ensure that the quality of every part of the experimental process (including sample vials and caps) is successful.
- ALWSCI Varefied® vial cap septa undergo a proprietary cleaning process that greatly reduces background particulates and their potential impact on high-sensitivity chromatography experiments.
- At the same time, the packaging with tear-off strips puts you in a good mood for experimentation.

### > Certified - ND18 Closures

Closures			
Ref.No.	C0000974	C0000975	C0001165
Description	18mm Silver Color Open Top Metal Cap (8mm hole) with 17.5mm White PTFE/Blue Transparent Silicone Septa 1.5mm Thick (UltraClean).	18mm Silver Color Open Top Metal Cap (8mm hole) with 17.5mm Natural PTFE/Blue Transparent Silicone Septa 1.5mm Thick (UltraClean).	Natural PTFE/Blue Transparent Silicone 1.5mm thick Septa (Ultra Clean) (used for 18mm magnetic screw cap).
Package	100pcs/pk		

### > Certified - ND20 Closures

Closures			
Ref.No.	C0000927	C0000972	C0000973
Description	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm White PTFE/Blue Silicone Septa 3mm Thick (UltraClean).	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm White PTFE/Blue Transparent Silicone Septa 3mm Thick (UltraClean).	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm Natural PTFE/Blue Transparent Silicone Septa 3mm Thick (UltraClean).
Package	100pcs/pk		

### > Certified - ND24 Closures

Closures			
Ref.No.	C0000316	C0001082	C0001189
Description	22mm Blue PTFE/White Silicone Septa 3.0mm Thick (Ultra Clean).	22mm Natural PTFE/White Silicone Septa 3.0mm Thick (Ultra Clean).	24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/ White Silicone 3.0mm Thick Septa (EPA Quality).
Package	100pcs/pk		

# EPA/TOC Vials & Closures



- If you are doing any sampling, testing, or validation, you need to make sure the results were not skewed by a contaminant that may have come from the container.
- ALWSCI offers a range of certified EPA Screw Vial Convenience Kits which are suitable for all TOC manufacturers' instruments, including Sievers, Shimadzu, OI Analytical, and Teledyne-Tekmar.
- All Certified to contain <10ppb Carbon, giving you confidence in the quality of your TOC measurements.
- Teflon lined caps and protective dust covers.
- Superior vial-to-vial consistency.
- Capped with teflon lined silicone septa and dust cover.
- Widely apply to air, water, soil analysis test, also pesticide residue.

## > 20mL EPA/TOC

20mL EPA/TOC				
Ref.No.	C0000413	C0000331	C0000338	C0000339
Description	20mL 27.5x57mm Clear Glass EPA /TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality).	20mL 27.5x57mm Amber Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality).	20mL 27.5x57mm Clear Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality) and Dust Cover.	20mL 27.5x57mm Amber Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality) and Dust Cover.
Package	Vial + Cap + Septa are pre-assembled together. 100pcs/pk			

## > 40mL EPA/TOC

40mL EPA/TOC				
Ref.No.	C0000334	C0000335	C0000342	C0000343
Description	40mL 27.5x95mm Clear Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality).	40mL 27.5x95mm Amber Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality).	40mL 27.5x95mm Clear Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality) and Dust Cover.	40mL 27.5x95mm Amber Glass EPA /TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality) and Dust Cover.
Package	Vial + Cap + Septa are pre-assembled together. 72pcs/pk			

> 60mL EPA/TOC

<p>60mL EPA/TOC</p>		
<p>Ref.No.</p>	<p>C0001201</p>	<p>C0001202</p>
<p>Description</p>	<p>60mL 27.5x140mm Clear Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality).</p>	<p>60mL 27.5x140mm Amber Glass EPA/TOC Vial 24-414 White Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone 3.0mm thick Septa (EPA Quality).</p>
<p>Package</p>	<p>Vial + Cap + Septa are pre-assembled together. 72pcs/pk</p>	

> 40mL Pre-cleaned and Certified



Pre-cleaned and Certified

( TOC<10 ppb )

<p>40mL Pre-cleaned and Certified</p>		
<p>Ref.No.</p>	<p>C0002296</p>	<p>C0002693</p>
<p>Description</p>	<p>Pre-cleaned and certified (&lt;10 ppb TOC) 40mL 27.5x95mm clear glass vial 24-414 Purple Open Top PP Screw Cap Bonded with 22mm Natural PTFE/White Silicone 3.0mm thick Septa and Dust Cover.</p>	<p>Pre-cleaned and certified (&lt;10 ppb TOC) 40mL 27.5x95mm clear glass vial 24-414 Purple Open Top PP Screw Cap Bonded with 22mm Natural PTFE/White Silicone 1.5mm thick Septa and Dust Cover.</p>
<p>Package</p>	<p>Vial + Cap + Septa are pre-assembled together. 72pcs/pk</p>	

## GL45 Safety Caps



- ALWSCI laboratory products are designed by ALWSCI to provide exceptional ease of use and reliable protection in the laboratory, saving chromatographers time and rework while supporting excellent chromatography results. Protect your laboratory environment. Safety systems provide protection and ensure safer laboratory work.

- ALWSCI safety caps are engineered to help you maintain your solvent-free laboratory and feature a special time trip on the air valve to show when the air valve needs to be replaced. Just pull out the old valve and replace it with a new one every six months.

- ALWSCI offers a full range of products to support laboratory safety, including solvent caps for different sized solvent bottles, accessories and more.

### Time Strip

The time strip has a lifetime of 6 months and will alert you when to replace the air valve.

### How to activate the time strip?

A simple press with the finger on the strip starts the clock for a time of 6 months.

Note: The time strip is a visual reminder. It cannot provide real online information regarding the saturation and contamination of the valve.



### Steps in detail:

1. Install the Air Valve at a free port on the Safety Caps and activate the time strip.
2. Guide the solvent tube through the proper fitting on the Safety Caps (std.3.2 mm id) and push the open end through a free port on the Safety Caps.
3. Attach the solvent inlet filter onto the open end of the tubing.
4. Screw the Safety Caps on top of the solvent bottle.
5. Adjust the height of the solvent inlet filter within the bottle.
6. Finally tighten the fitting by turning it clockwise.



## Air Valve Working Information



GL45 Safety Cap				
Ref.No.	C0001828	C0001829	C0001830	C0001846
Description	Black GL45 Safety Cap with 2 ports Including 1x Air Valve and 1 x 1/4"-28 fitting for 1/8" tubing.	Black GL45 Safety Cap with 3 ports Including 1x Air Valve and 2 x 1/4"-28 fitting for 1/8" tubing.	Black GL45 Safety Cap with 4 ports Including 1x Air Valve and 3 x 1/4"-28 fitting for 1/8" tubing.	GL45 Air Valve (Including a time strip).
Package	1set/pk			10pcs/pk

GL38 / GL40 Safety Cap				
Ref.No.	C0002884	C0002885	C0002886	C0002887
Description	Grey GL38 Safety Cap with 2 ports Including 1x Air Valve and 1 x 1/4"-28 fitting for 1/8" tubing.	Grey GL38 Safety Cap with 3 ports Including 1x Air Valve and 2 x 1/4"-28 fitting for 1/8" tubing.	Purple GL40 Safety Cap with 2 ports Including 1x Air Valve and 1 x 1/4"-28 fitting for 1/8" tubing.	Purple GL40 Safety Cap with 3 ports Including 1x Air Valve and 2 x 1/4"-28 fitting for 1/8" tubing.
Package	1set/pk			

PP Fitting					
Ref.No.	C0001881	C0001896	C0001883	C0001895	C0001882
Description	1/4-28 PP Fitting for 1/8" OD Tubing Orange Color.	1/4-28 PP Fitting for 1/8" OD Tubing Dark Blue Color.	1/4-28 PP Blind Plug Black Color.	1/4-28 PP Fitting for 1/8" OD Tubing Red Color.	1/4-28 PP Fitting for 1/16" OD Tubing Dark Blue Color.
Package	100pcs/pk				

# Safety Caps



- The Safety Caps can protect your laboratory environment.
- The safety system offers protection and ensures safer work in lab.
- The integrated PTFE layer captures dust and other contaminants from the air.
- The ergonomic design allows an easy and tool free replacement of solvent due to freely rotatable cap-inserts and finger tight fittings that avoid twisted tubes during container exchange.

GL45 Safety Cap			
Ref.No.	C0000270	C0000271	C0000272
Description	Blue GL45 Safety Cap with Two holes for 1/8" inch OD tubing.	Red GL45 Safety Cap with Three holes for 1/8" inch OD tubing.	Yellow GL45 Safety Cap with Four holes for 1/8" inch OD tubing.
Package	1pc/pk		

GL45 Safety Cap			
Ref.No.	C0000273	C0000274	C0000275
Description	Blue GL45 Safety Cap with Two holes for 1/16" inch OD tubing.	Red GL45 Safety Cap with Three holes for 1/16" inch OD tubing.	Yellow GL45 Safety Cap with Four holes for 1/16" inch OD tubing.
Package	1pc/pk		

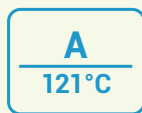
PEEK Fitting			
Ref.No.	C0000969	C0000970	C0000971
Description	10-32unf PEEK Fitting for 1/16 OD Tubing Natural Color.	1/4-28 PEEK Fitting for 1/8" OD Tubing Natural Color.	10-32unf PEEK Blind Plug Natural Color.
Package	100pcs/pk		

# GL45 Reagent Bottle



- ALWSCI GL45 laboratory reagent bottle, made of high-purity transparent boric acid glass 3.3 tube, screw PP cap and PBT material.
- The bottle wall thickness reaches 3.8mm, far exceeding the international level. The product wall thickness uniformity is more consistent, and the wall thickness deviation does not exceed 0.1mm. The bottle body has better air permeability and better aesthetics.
- The Reagent Bottle has high strength, stable chemical properties, and is suitable for long-term storage, transportation and storage of media, biologicals and other liquid solutions for lab, experiment, chemistry, scientific.

The temperature level of screw cap and pouring ring: +140°C.



• You can view related product videos on our Youtube: <https://youtu.be/FuYf-5iGPKg>

GL45 Caps			
Ref.No.	C0001006	C0002502	C0002503
Description	Blue GL45 Closed Top PP Cap.	Red GL45 Closed Top PBT Cap.	Red GL45 Closed Top PBT Cap with Natural PTFE/White Silicone Septa 3mm Thick.
Package	100pcs/pk		

GL45 Reagent Bottle				
Ref.No.	C0002022	C0002023	C0002024	C0002025
Description	100mL GL45 Clear Laboratory Glass Tubing Bottle 3.3 Borosilicate with ALWSCI Logo. Blue PP Closed Screw Cap. Blue PP Pouring Ring.	250mL GL45 Clear Laboratory Glass Tubing Bottle 3.3 Borosilicate with ALWSCI Logo. Blue PP Closed Screw Cap. Blue PP Pouring Ring.	500mL GL45 Clear Laboratory Glass Tubing Bottle 3.3 Borosilicate with ALWSCI Logo. Blue PP Closed Screw Cap. Blue PP Pouring Ring.	1000mL GL45 Clear Laboratory Glass Tubing Bottle 3.3 Borosilicate with ALWSCI Logo. Blue PP Closed Screw Cap. Blue PP Pouring Ring.
Package	1set/pk			

- 1 Hit Products
- 2 New Arrivals
- 3 Autosampler Vials & Closures
- 4 Headspace Vials & Closures
- 5 Sample Vials & Closures
- 6 Laboratory Tools
- 7 Welded Syringe Filter
- 8 Economy Syringe Filter
- 9 Sterile Syringe Filter
- 10 Laboratory Syringe
- 11 Membrane Filter

## Solvent Waste System



- Using the S60 thread interface, it perfectly matches the conventional waste liquid storage container in the laboratory.
- Equipped with pipeline interfaces of various colors, clearly distinguishing different pipelines.
- Activated carbon can actively adsorb and catalyze the decomposition of toxic and harmful gases to ensure that organic gases are completely adsorbed.
- High-quality materials, high temperature resistance, corrosion resistance, and high cost performance.

### Purification Feature:

- The exhaust filter purifies the volatile gases before it is released into the environment. Harmful gas emissions are reduced by 80%.
- Collect HPLC waste safely.
- Suitable for many different containers and hose sizes.
- Protect you from vapors from solvents, acids and alkalis.



GL45  
Safety  
Cap



Ref.No.

C0002350



Ref.No.

C0002418

Description

Black S60 Solvent Safety Waste Cap with 3 ports Including 2 x fitting 3.2mm and 1 x hose connector 5.5 - 8mm ID.

Black S60 Solvent Safety Waste Cap with 4 ports Including 3 x fitting 3.2mm and 1 x hose connector 5.5 - 8mm ID.

Package

1set/pk

Solvent  
Waste  
System



Ref.No.

C0002056



Ref.No.

C0002057

Description

Activated Carbon Exhaust Filter.

25L Waste Liquidal Storage Container.

Package

1set/pk

1pc/ctn

# GL80 Reagent Bottle



- Made of clear laboratory glass bottle molded 3.3 borosilicate.
- Wide mouth reagent bottle uniform thickness, good sealing, glossy surface, stable not mildew, GL80 screw cap.
- For storage and transfer of substances.
- ALWSCI GL80 safety pp cap with 4 ports including 4 x fitting 3.2mm.
- Fully compatible with all the GL80 threads and therefore highly versatile.

## Key advantages:

- No evaporation of hazardous gases
- No contamination of solvents
- No crimping of connection tubing
- Easy container exchange
- Cost efficiency (save expensive solvents by avoiding evaporation)



GL80 Reagent Bottle		
Ref.No.	C0002525	C0002526
Description	Blue GL80 Solvent Safety Waste Cap with 4 ports Including 4 x fitting 3.2mm.	1000mL GL80 Clear Laboratory Glass Bottle Molded 3.3 Borosilicate. Blue PP Closed Screw Cap.
Package	1set/pk	

## Plastic Vials for PFAS Analysis



- Microvials for an optimized microsampling with 0.3mL, 0.7mL, 0.75mL, 2mL.
- Ideal for Ion Chromatography, Capillary Electrophoresis, Atomic Absorption, pH sensitive samples, sodium, heavy metals analysis and aqueous samples.
- Monitoring the presence of PFAS in the environment and consumer products has become increasingly important.
- Various methods for testing PFAS have been developed, ranging from laboratory analysis to field test kits.
- These methods typically involve advanced analytical techniques such as liquid chromatography and mass spectrometry, which can accurately measure the concentration of PFAS in samples.

PP Vial				
Ref.No.	<b>C0000084</b> ★	<b>C0000085</b>	<b>C0001023</b>	<b>C0001827</b>
Description	0.3mL 9-425 PP Screw Thread Micro-Vial Transparent. 12x32mm.	0.3mL 9-425 PP Screw Thread Micro-Vial Amber. 12x32mm.	0.3mL 11mm PP Snap Top Micro-Vial Transparent. 12x32mm.	0.3mL 11mm PP Snap Top Micro-Vial Amber. 12x32mm.
Package	100pcs/pk			

PP Vial				
Ref.No.	<b>C0001869</b>	<b>C0001870</b>	<b>C0002524</b>	<b>C0002394</b>
Description	0.7mL 9-425 PP Screw Thread Micro-Vial Transparent. 12x32mm.	0.7mL 11mm PP Snap Top Micro-Vial Transparent. 12x32mm.	0.75mL 11mm PP Snap Top Micro-Vial Transparent Conical Bottom. 12x32mm.	0.3mL TPX Short Thread Vial Micro-Vial Transparent. 12x32mm.
Package	100pcs/pk			

PP Vial				
Ref.No.	<b>C0000410</b> ★	<b>C0002383</b>	<b>C0002062</b>	<b>C0002553</b>
Description	2mL 9-425 Wide Opening PP Screw Vial with Graduations Transparent.	2mL 9-425 Wide Opening PP Screw Vial with Graduations Amber.	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Septa Polyimide/Red Silicone 1mm Thick.	2mL 9-425 Wide Opening PP Screw Vial with Graduations Transparent. Blue 9-425 Open Top Ribbed Screw Cap with Polyimide/Red Silicone 1mm Thick. Kit Packing.
Package	100pcs/pk			



## 2. NEW ARRIVALS

- Barcoded Vials / 20
- 12mL Breath Testing Vial / 21
- Scintillation Vial / 22
- ALWSCI 96 Well Plates For Chromatography / 23

New Arrivals

# Barcoded Vials



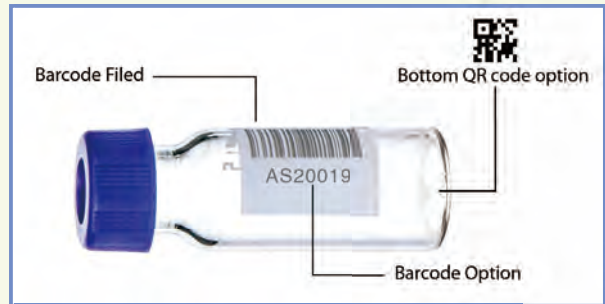
- No more smudges no more smears, Better data for your peers.
- One vial, one code. No duplicate barcodes. You can track every individual vial in system.
- Each barcoded scanned for 100% readability.
- Customized service is workable as request, like 1D, 2D to choose.
- Will not contaminate the samples in anyway.
- The printings on vials are fired on the glass, which makes the printings.
- Can resist all common solutions in laboratories.
- Barcoded vials are annealed at over 500°C, perfect with printing durability and vial inner cleanness.

## Barcode Label Templates and Overview

- You only need to provide the barcode content that you want to print on the sample bottle according to your system and tell us whether you want to print a barcode or QR code.

- You need to provide us with the following barcode number, like below:

Sample ID(Barcode Information)
AS20057
AS20058



<b>Barcoded Vials</b>				
<b>Ref.No.</b>	C0001561 / C0001563	C0001562 / C0001564	C0002541	C0002542
<b>Description</b>	Barcoded 12x32mm 2mL Clear/ Amber Glass Flat Base 9-425 Screw Thread with Label.	QR Coded 12x32mm 2mL Clear/ Amber Glass Flat Base 9-425 Screw Thread Vial with Label.	Barcoded 12x32mm 2mL Clear Glass Flat Base 9-425 Screw Thread Vial with Label on Side and QR code on Bottom.	Barcoded 15x45mm 4mL Clear Glass Flat Base 13-425 Screw Thread Vial with QR code on Bottom.
<b>Package</b>	100pcs/pk			

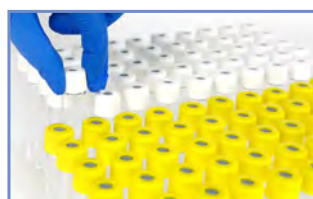
<b>Barcoded Vials</b>			
<b>Ref.No.</b>	C0001713	C0001714	C0001767
<b>Description</b>	Barcoded 15x45mm 4mL Clear Glass Flat Base 13-425 Screw Thread Vial.	Barcoded 15x45mm 4mL Amber Glass Flat Base 13-425 Screw Thread Vial.	Barcoded 40mL Amber Glass Sample Vial 27.5x95mm 24-414 Screw Thread.
<b>Package</b>	100pcs/pk		

# 12mL Breath Testing Vial



- Suitable for various gas detection instruments, and it has good sealing performance and no impurities which can effectively prevent the movement of the cap during the heating and sampling process. At the same time, it is also suitable for various types of breath tests and the preservation of gases to be measured by various breath mass spectrometers.
- Silicone coating gives people a clear instructions without interfering with the analysis.
- The material of vial is borosilicate glass and cap is high-quality polypropylene.
- Cap color can be customized accordingly.

## > Screw Top



Ref.No.	C0002011	C0002012	C0002013
Description	12mL 15.5x101mm Breath Sampling Vial. White Open Top Screw Cap with Butyl Septa. Flat Bottom. Non Coated Vial. Non Evacuated.	12mL 15.5x101mm Breath Sampling Vial. White Open Top Screw Cap with Butyl Septa. Flat Bottom. Coated Vial. Non Evacuated.	12mL 15.5x101mm Breath Sampling Vial. White Open Top Screw Cap with Butyl Septa. Flat Bottom. Coated Vial. Evacuated.
Ref.No.	C0002072	C0002079	C0002083
Description	12mL 15.5x101mm Breath Sampling Vial. Red Open Top Screw Cap with Butyl Septa. Flat Bottom. Non Coated Vial. Non Evacuated.	12mL 15.5x101mm Breath Sampling Vial. Green Open Top Screw Cap with Butyl Septa. Flat Bottom. Coated Vial. Non Evacuated.	12mL 15.5x101mm Breath Sampling Vial. Blue Open Top Screw Cap with Butyl Septa. Flat Bottom. Coated Vial. Evacuated.
Package	Vial+Cap+Septa are pre-assembled together. Kit Packing. 100pcs/pk		

## > Crimp Top



Ref.No.	C0002269	C0002270
Description	12mL 15.5x98mm Crimp Breath Sampling Vial. Open Top Aluminum Crimp Cap with Butyl Septa. Rounded Bottom. Non Coated Vial. Evacuated.	12mL 15.5x98mm Crimp Breath Sampling Vial. Open Top Aluminum Crimp Cap with Butyl Septa. Rounded Bottom. Coated Vial. Evacuated.
Package	Vial+Cap+Septa are pre-assembled together. Kit Packing. 100pcs/pk	

## Scintillation Vial



- Manufactured from low potassium glass tubing. The uniform wall thickness contributes to excellent counting reproducibility.
- Suitable for use with aggressive reagents and tissue solubilizers.
- **Glass material:** Made of low potassium glass tubing, it has better temperature resistance and can carry out various ultra-high temperature experiments.
- **HDPE material:** Made from high density polyethylene with lightweight walls for increased counting efficiency, economical choice.
- Select cap and liner material for your application.

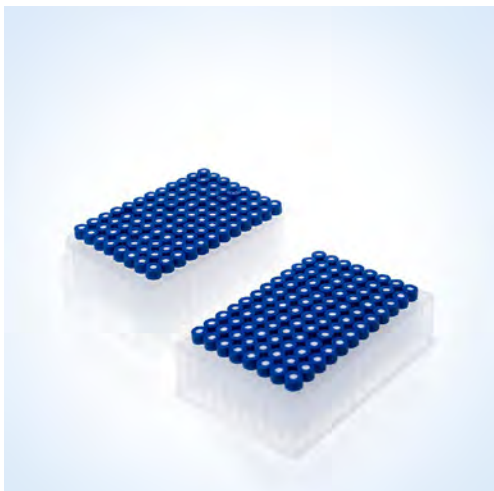


Ref.No.	Description	Package
C0002216	20mL Clear Glass Scintillation Vial 27.5x57.5mm 22-400 Screw Thread.	144pcs/pk
C0002363	20mL Clear Glass Scintillation Vial 27.5x57.5mm with 22-400 White Closed Top PP Cap and Silver Aluminum Foil PE Liner 1.5mm Thick. pre-assembled together.	100pcs/pk
C0002444	7mL Clear Glass Scintillation Vial 17x54mm with 15-425 White Closed Top PP Cap and Silver Aluminum Foil PE Liner 1.5mm Thick. pre-assembled together.	200pcs/pk
C0002602	20mL HDPE Scintillation Vial 27.5x57.5mm with 22-400 White Closed Top PP Cap and Silver Aluminum Foil PE Liner 1.5mm Thick. pre-assembled together.	100pcs/pk

### > 20mL Cuvette Vial

Ref.No.	Description	Package
C0002568	20mL Clear Glass Cuvette Vial 25x60mm 22-400 Screw Thread. 3.3 Borosilicate. Packed with dividers.	100pcs/pk
C0002701	20mL Clear Glass Cuvette Vial 25x60mm 22-400 Screw Thread with Label. 3.3 Borosilicate. Packed with dividers.	100pcs/pk

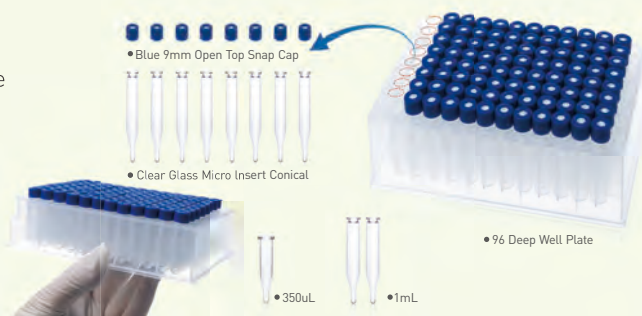
# ALWSCI 96 Well Plates For Chromatography



- This 96 Well Plates Sampling System provides the analyst with 96 completely inert chambers and reduces the risk of cross-contamination from well to well when removing the cover.
- SBS/ANSI standard footprint assures compatibility with all well plates capable prep stations and chromatography autosamplers.
- It offers secure sample containment throughout the analytical sample run.
- We offer two mats, an EVA mat that stabilizes the sample and is pierced by most instruments and a silicone mat that has the resealing qualities of standard autosampler vial septa.

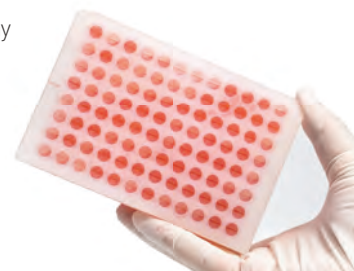
## 96 Well Plates Sampling System

- Individual glass vials with closures that provide a resistant surface to the organic eluent, thus maintaining sample integrity.
- Prepare and analyze samples in less time with less lab bench space and storage space required per sample.
- ALWSCI has assembled the Glass Insert with 96 well plate, which provide a more convenient way for your chromatography.



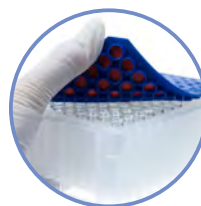
## Silicone Sealing Mat

- 96 Well Silicone mats are designed for 96-well storage and assay plates.
- Produced from the highest quality research grade silicone to resist coring and tearing, reducing the risk of mat particulate entering the well.
- Usually used in high-throughput applications or those involving accessing the sample through the cover multiple times.



## EVA Capmat

- This EVA mat is pierceable and suitable for archiving and ultra-cold stor-age applications.
- Efficient transport of many samples in a single plate.
- SBS/ANSI standard footprint assures compatibility with all well plates capable prep stations and chromatography autosamplers.



Ref.No.	C0002895	C0002442	C0002464	C0002465
Description	Clear 96 Round Well Silicone Sealing Mat for 1mL Deep Well Plate.	Clear 96 Round Well Silicone Sealing Mat for 2mL Deep Well Plate.	One 96 Deep Well Plate with 350uL 6x32mm Clear Glass Micro Insert Conical. Blue 9mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1.8mm Thick(UltraClean).	One 96 Deep Well Plate with 1mL 7.6x46mm Clear Glass Micro Insert Conical. Blue 9mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1.8mm Thick(UltraClean).
Package	10pcs/pk	10pcs/pk	Pre-assembled. 96pcs/pk	



### 3. AUTOSAMPLER VIALS & CLOSURES

- Screw Neck ND8 / 25
- 5mm Micro Insert / 25
- Screw Neck ND9 / 26–27
- 6mm Micro Insert / 27
- Crimp Neck ND11 / 28
- Snap Neck ND11 / 29
- Screw Neck ND13 / 30
- Shell Vial / 30
- High Recovery Vial / 31
- COD Test Tube / 32

## Screw Neck ND8



- Standard opening vials for GC and HPLC, used on instruments of Shimadzu, Varian, Gilson etc.
- To meet your micro sampling needs, ALWSCI has a variety of micro volume inserts with capacities and designs that can transform our vials from full-capacity to limited volume with one simple step.
- Standard opening requires Micro-insert with a diameter of 5mm.
- Micro inserts with flat base, conical base, with polyspring are available.
- The conical design permits complete sample removal.

8-425 Vial				
Ref.No.	C0000001	C0000002	C0000003	C0000004
Description	2mL Clear Glass 12x32mm Flat Base 8-425 Screw Thread Vial.	2mL Clear Glass 12x32mm Flat Base 8-425 Screw Thread Vial with Label.	2mL Amber Glass 12x32mm Flat Base 8-425 Screw Thread Vial.	2mL Amber Glass 12x32mm Flat Base 8-425 Screw Thread Vial with Label.
Package	100pcs/pk			

Septa					
Ref.No.	C0000436	C0000321	C0000964	C0000445	C0000999
Description	8-425 Red PTFE/White Silicone Septa 1mm Thick.	8-425 Red PTFE/White Silicone Septa 1.5mm Thick.	8-425 Red PTFE/White Silicone Septa 1.5mm Thick PRE-SLIT.	8-425 White PTFE/Red Silicone Septa 1.5mm Thick.	8-425 Blue PTFE/White Silicone Septa 1.5mm Thick.
Package	100pcs/pk				

Closures				
Ref.No.	C0000133	C0000136	C0000409	C0000813
Description	Black 8-425 Open Top Screw Cap with 8mm Red PTFE/White Silicone Septa 1.5mm Thick.	Black 8-425 Open Top Screw Cap with 8mm White PTFE/Red Silicone Septa 1.5mm Thick.	White 8-425 Open Top PP Cap with 8mm White PTFE/Red Silicone Septa 1.5mm Thick.	8-425 White Open Top Screw Cap with 8mm Red PTFE/White Silicone Septa 1.5mm Thick.
Package	100pcs/pk			

### > 5mm Micro Insert



Micro Insert			
Ref.No.	C0000074	C0000075	C0000076
Description	5x29mm Insert Clear Glass Conical Base with Polyspring.	5x31mm Insert Clear Glass Conical Base.	5x31mm Insert Clear Glass Flat Base.
Package	100pcs/pk		

## Autosampler Vials &amp; Closures

## Screw Neck ND9











- Wide opening 9-425 vials can be used on all common autosamplers, perfectly compatible with Agilent, Thermo Scientific, Waters, Varian, etc.
- Vials with integrated micro-insert are available in clear and amber glass.
- Wide opening 12x32mm, Polypropylene vials have chemical resistance, which are used for atomic absorption, water and protein analysis, capillary electrophoresis, ion chromatography applications etc.
- PTFE/silicone slit shape choices are Pre-slit, Y-shape, cross-shape available.
- The polymer spring acts as a shock absorber that protects against breakage if the needle bottoms out.
- Vials and closures are available for packing into a kit to reduce the risk of contamination of vials in laboratories.

9-425 Vial				
Ref.No.	C0000006	C0000010	C0000008	C0000011
Description	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial.	2mL Amber Glass 12x32mm Flat Base 9-425 Screw Thread Vial.	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label.	2mL Amber Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label.
Package	100pcs/pk			

9-425 Vial				
Ref.No.	C0000127	C0000128	C0001937	C0001938
Description	0.2mL 9-425 12x32mm. Clear Glass Screw Thread Micro-Vial.	0.2mL 9-425 12x32mm. Amber Glass Screw Thread Micro-Vial.	0.2mL 9-425 12x32mm. Clear Glass Screw Thread Micro-Vial with Write-on Patch.	0.2mL 9-425 12x32mm. Amber Glass Screw Thread Micro-Vial with Write-on Patch.
Package	100pcs/pk			






9-425 Vial		
Ref.No.	C0000961	C0000962
Description	2mL Amber Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label. Blue 9-425 Open Top Ribbed Screw Cap with 9mm White PTFE/Red Silicone Septa 1mm Thick. Kit Packing.	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label. Blue 9-425 Open Top Ribbed Screw Cap with 9mm White PTFE/Red Silicone Septa 1mm Thick. Kit Packing.
Package	100pcs/pk	

9mm Septa				
Ref.No.	C0000402	C0000329	C0000439	C0000324
Description	9-425 Red PTFE/White Silicone Septa 1mm Thick.	9-425 White PTFE/Red Silicone Septa 1mm Thick.	9-425 Blue PTFE/White Silicone Septa 1mm Thick.	9-425 Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT.
9mm Septa				
Ref.No.	C0000431	C0001133	C0000801	C0000460
Description	9-425 Blue PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	9-425 Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT (Mercedes Shape).	9-425 Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT (Cross Shape).	9-425 Natural PTFE/White Silicone Septa 1mm thick.
Package	100pcs/pk			

ND9 Closures				
Ref.No.	C0000143	C0000148	C0000149	C0000138
Description	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick.	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	Blue 9-425 Open Top Ribbed Screw Cap with 9mm Blue PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	9-425 Blue Smooth Closed PP Top Cap with 9mm White PTFE/Red Silicone Septa 1mm Thick.
ND9 Closures				
Ref.No.	C0000429	C0001746	C0001747	C0001748
Description	Clear 9-425 Open Top Smooth Screw Cap with 9mm Red PTFE/White Silicone 1mm Thick.	Red 9-425 Open Top Ribbed Screw Cap with 9mm Blue PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	Yellow 9-425 Open Top Ribbed Screw Cap with 9mm Blue PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	Green 9-425 Open Top Ribbed Screw Cap with 9mm Blue PTFE/White Silicone Septa 1mm Thick PRE-SLIT.
Package	100pcs/pk			

> 6mm Micro Insert



Micro Insert					
Ref.No.	C0000070	C0000072	C0000073	C0001939	C0000077
Description	6x29mm Insert Clear Glass Conical Base with Polyspring.	6x31mm Insert Clear Glass Conical Base.	6x31mm Insert Clear Glass Flat Base.	6x29mm PP Insert Conical Base with Polyspring and Label.	6x29mm PP Insert Conical Base.
Package	100pcs/pk				

## Autosampler Vials &amp; Closures

## Crimp Neck ND11



- The Crimp Vials are used on instruments of Agilent, PerkinElmer, Varian, etc.
- The wide opening crimp cap provides a larger target area for improved autosampler needle accuracy.
- Vials with integrated Micro-insert are also available in clear and amber glass.
- PTFE/silicone, Natural Rubber/PTEF septa, Pre-slit septa to choose.
- The 3-layer septa of Natural Rubber/Red Butyl/PTEF combines the good physical properties of Natural Rubber(Resealability) with good chemical properties of butyl. [See Customized service page]

ND11 Crimp Vial				
Ref.No.	C0000014	C0000015	C0000016	C0000018
Description	2mL Clear Glass Flat Base 11mm Crimp Vial Wide Opening.	2mL Clear Glass Flat Base 11mm Crimp Vial Wide Opening with Label.	2mL Amber Glass Flat Base 11mm Crimp Vial Wide Opening.	2mL Amber Glass Flat Base 11mm Crimp Vial Wide Opening with Label.
Package	100pcs/pk			
ND11 Crimp Vial				
Ref.No.	C0000129	C0002582	C0000809	C0002583
Description	0.2mL 11mm Crimp Top Clear Micro-insert. 12x32mm.	0.2mL 11mm Crimp Top Clear Glass Micro-Vial with Write-on Patch. 12x32mm.	0.2mL 11mm Crimp Top Amber Micro-insert. 12x32mm.	0.2mL 11mm Crimp Top Amber Glass Micro-Vial with Write-on Patch. 12x32mm.
Package	100pcs/pk			
ND 11 Closures				
Ref.No.	C0000169 ★ Patent No..CN107163311B	C0000165	C0000980	C0000166
Description	Silver 11mm Open Top Crimp Cap with Transparent PTFE/Natural Rubber red-orange Septa 1mm Thick.	Silver 11mm Open Top Crimp Cap with Red PTFE/ White Silicone Septa 1mm Thick.	Silver 11mm Open Top Crimp Cap with Red PTFE/ White Silicone Septa 1mm Thick PRE-SLIT.	Silver 11mm Open Top Crimp Cap with Red PTFE/ White Silicone/Red PTFE Septa 1mm Thick.
Package	100pcs/pk			

## Snap Neck ND11



- The vials are used on instruments of Agilent, CTC, Thermo Scientific, Waters, etc.
- Snap Ring finish eliminates the need for crimping or decapping.
- The integrated Micro-insert are available for clear and amber glass, micro-inserts can be delivered pre-assembled in vials.
- Snap ring caps are also available in soft material with transparent or blue caps, soft caps are more convenient in handling (push on/off).
- The septa shapes have pre-slit and snow-shape types to choose.

ND11 Snap Neck				
Ref.No.	C0000020	C0000021	C0000022	C0000023
Description	2mL Clear Glass Flat Base 11mm Snap Vial Wide Opening.	2mL Clear Glass Flat Base 11mm Snap Vial Wide Opening with Label.	2mL Amber Glass Flat Base 11mm Snap Vial Wide Opening.	2mL Amber Glass Flat Base 11mm Snap Vial Wide Opening with Label.
Package	100pcs/pk			

ND11 Snap Neck				
Ref.No.	C0000130	C0000810	C0000174	C0000175
Description	0.2mL 11mm Snap Top Clear Micro-insert. 12x32mm.	0.2mL 11mm Snap Top Amber Micro-insert. 12x32mm.	Clear 11mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	Clear 11mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT (snow shape).
Package	100pcs/pk		100pcs/pk	

ND11 Closures				
Ref.No.	C0000170	C0000171	C0000172	C0000173
Description	Clear 11mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1mm Thick.	Blue 11mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1mm Thick.	Red 11mm Open Top Snap Cap with Red PTFE/White Silicone Septa 1mm Thick.	Clear 11mm Open Top Snap Cap with Red PTFE/White Silicone/Red PTFE Septa 1mm Thick.
Package	100pcs/pk			

## Autosampler Vials & Closures

### Screw Neck ND13



- The vials are used on instruments of Dionex, Shimadzu, WWR, Waters etc.
- 4mL vials are widely used in compound storage as well as for Chromatography vials, available as closed open top screw seals with 13-425 thread.

ND13 Screw Neck				
Ref.No.	C0000024	C0000025	C0000026	C0000027
Description	4mL Clear Glass 15x45mm Flat Base 13-425 Screw Thread Vial.	4mL Clear Glass 15x45mm Flat Base 13-425 Screw Thread Vial with Label.	4mL Amber Glass 15x45mm Flat Base 13-425 Screw Thread Vial.	4mL Amber Glass 15x45mm Flat Base 13-425 Screw Thread Vial with Label.
Package	100pcs/pk			

ND13 Septa				
Ref.No.	C0000322	C0000408	C0000863	C0000935
Description	13-425 Red PTFE/White Silicone Septa 1mm Thick.	13-425 Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	13-425 White PTFE/Red Silicone Septa 1mm Thick.	13-425 Natural PTFE/White Silicone Septa 1mm Thick.
ND13 Closures				
Ref.No.	C0000179	C0000180	C0000181	C0000182
Description	Black PP 13-425 Open Top Screw Cap with Red PTFE/White Silicone Septa 1mm Thick.	Black PP 13-425 Open Top Screw Cap with Red PTFE/White Silicone Septa 1mm Thick PRE-SLIT.	Black PP 13-425 Open Top Screw Cap with White PTFE/Red Silicone Septa 1mm Thick.	Black PP 13-425 Open Top Screw Cap with Natural PTFE/White Silicone Septa 1mm Thick.
Package	100pcs/pk			

### > Shell Vial

- The vial with soft plug is used on Waters and Shimadzu, the star-shaped plug is for easy penetration.
- The normal size is 8x40mm, and 8x30mm is also available.

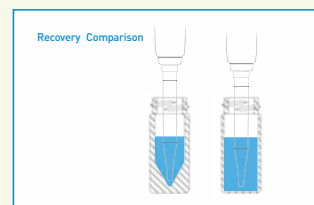
Shell Vial		
Ref.No.	C0000078	C0001267
Description	1mL 8x40mm Flat Base Clear Glass Shell Vial with Plug.	White Plug (used for 1mL Shell Vial).
Package	200pcs/pk	

## High Recovery Vial



- High recovery vials combine large sample capacities with near full sample extraction.
- Excellent for Compound Storage.
- Smoothly sloped inner conical surface ensures a high level of recovery.

- Manufactured to close tolerances, so enabling use with automated sample handling systems
- Conical well for maximum sample retrieval.
- Reduce product waste by up to 99%.
- Choice of solid top or open top screw caps for direct access with a syringe.
- Volumes from 0.2mL to 6mL.



High Recovery Vial				
Ref.No.	C0003008	C0001211	C0001212	C0002445
Description	1mL Clear Glass 13x41mm High Recovery Vial with Graduations 13-425 Screw Thread. 3.3 Borosilicate.	1.5mL High Recovery Vial Clear Glass 12x32mm Flat Base 9-425 Screw Thread.	1.5mL High Recovery Vial Amber Glass 12x32mm Flat Base 9-425 Screw Thread.	1.5mL High Recovery Vial Clear Glass 12x32mm Flat Base 9-425 Screw Thread with Write-on Patch.
Package	12pcs/pk		100pcs/pk	

High Recovery Vial				
Ref.No.	C0002591	C0001306	C0002446	C0002408
Description	1.5mL High Recovery Vial Amber Glass 12x32mm Flat Base 9-425 Screw Thread with Write-on Patch.	1.5mL Crimp High Recovery Vial Clear Glass Flat Base Wide Opening.	1.5mL Crimp High Recovery Vial Clear Glass Flat Base Wide Opening with Write-on Patch.	3.5mL Clear Glass 20x50mm High Recovery Vial with Graduations 20-400 Screw Thread. 3.3 Borosilicate.
Package	100pcs/pk			12pcs/pk

High Recovery Vial			
Ref.No.	C0001777	C0001739	C0001710
Description	0.2mL High Recovery Vial Amber Glass 15x38mm Flat Base 13-425 Screw Thread.	0.4mL High Recovery Vial Amber Glass 15x35mm Flat Base 13-425 Screw Thread.	4mL High Recovery Vial Clear Glass 15x51mm Flat Base 13-425 Screw Thread.
Package	100pcs/pk		

## Autosampler Vials & Closures

### COD Test Tube



For all analytical procedures from cellular analysis to chemical analysis.

- Made from borosilicate glass tube.
- Screw thread test tubes include PP and PC caps with PTFE/silicone septa.
- Design for COD Analysis, also suitable for instruments and test kits.
- The box is food grade material, environmentally friendly.

15-415 Closure				
Ref.No.	C0001793	C0002007	C0002008	C0002010
Description	15-415 White Closed Top PP Cap Bonded with Blue PTFE/White Silicone Septa 1.5mm Thick.	15-415 White Closed Top PP Cap with Blue PTFE/White Silicone/Blue PTFE Septa 1.5mm Thick.	15-415 Black Closed Top PP Cap with Blue PTFE/White Silicone/Blue PTFE Septa 1.5mm Thick.	15-415 Clear Closed Top PC Cap with Blue PTFE/White Silicone/Blue PTFE Septa 1.5mm Thick.
Package	250pcs/pk			
COD Test Tube				
Ref.No.	C0000131	C0001186	C0002569	C0001953
Description	10mL 16x100mm Clear Screw Test Tube. Rounded Bottom. Chinese Tubing.	10mL 16x100mm Clear Screw Test Tube. Rounded Bottom. Schott 5.0.	10mL 16x90mm Clear Screw Test Tube. Flat Bottom.	10mL 16x100mm Clear Screw Test Tube. Rounded Bottom. With write on patch and ALWSCI Printing. 3.3 Borosilicate
Package	250pcs/pk	100pcs/pk	100pcs/pk	250pcs/pk
Kit Packing				
Ref.No.	C0002292		C0002064	
Description	10mL 16x100mm Clear Screw Test Tube. Rounded Bottom Schott 5.0. 15-415 Clear Closed Top PC Cap with Blue PTFE/White Silicone/Blue PTFE Septa 1.5mm Thick. Vial Cap Septa are pre-assembled together.		10mL 16x100mm Clear Screw Test Tube. Rounded Bottom. 15-415 White Closed Top PP Cap with Blue PTFE/White Silicone/Blue PTFE Septa 1.5mm Thick. Vial Cap Septa are pre-assembled together.	
Package	100pcs/pk		25pcs/pk	



## 4. HEADSPACE VIALS & CLOSURES

- Screw Headspace ND18 / 34
- Crimp Headspace ND20 / 35
- 20mm Butyl Septa / 36
- ND20 Closures / 36
- Customized Service / 37

## Headspace Vials & Closures

### Screw Headspace ND18



- Pre-assembled vial+closure service is available upon request.
- The magnetic screw caps can be used for headspace as well as SPME.
- Type of Cap: Magnetic Precision screw cap, Closed Precision screw cap.

Screw Headspace ND18				
Ref.No.	C000028	C000029	C000030	C000031
Description	10mL Clear Glass Screw Headspace Vial 22.5x46mm.	10mL Amber Glass Screw Headspace Vial 22.5x46mm.	20mL Clear Glass Screw Headspace Vial 22.5x75mm.	20mL Amber Glass Screw Headspace Vial 22.5x75mm.
Package	100pcs/pk			

ND18 Closures				
Ref.No.	C000028	C0000474	C0000400	C0000438
Description	18mm Silver Color Open Top Metal Cap with 17.5mm Blue PTFE/White Silicone Septa 1.5mm Thick.	18mm Silver Color Closed Top Metal Cap with Blue PTFE/White Silicone Septa 1.5mm Thick.	Blue PTFE/White Silicone Septa 1.5mm Thick(used for 18mm magnetic screw cap).	Red PTFE/White Silicone Septa 1.5mm Thick(used for 18mm magnetic screw cap).
Package	100pcs/pk			

ND18 Pre-assembled		
Ref.No.	C0000977	C0000976
Description	10mL Clear Glass Screw Headspace Vial 22.5x46mm 18mm Silver Color Open Top Metal Cap (8mm hole) with 17.5mm Blue PTFE/White Silicone Septa 1.5mm Thick Vial Cap Septa are pre-assembled together.	20mL Clear Glass Screw Headspace Vial 22.5x75mm 18mm Silver Color Open Top Metal Cap (8mm hole) with 17.5mm Blue PTFE/White Silicone Septa 1.5mm Thick Vial Cap Septa are pre-assembled together.
Package	100pcs/pk	

## Crimp Headspace ND20



- GC Headspace technology for the analysis of volatile organic solids and liquid samples after gasification.
- The headspace volume has 6mL, 10mL, 20mL clear/amber to choose, the bottom has flat, and rounded-flat.
- **Type of Cap:**  
Aluminum Cap, Bimetal cap, Magnetic crimp cap.
- **Type of Liner:**  
PTFE/silicone, Butyl/PTFE, Butyl, Butyl stopper, Pharma-fix liner.

Crimp Headspace ND20				
Ref.No.	C0000032	C0000033	C0000034	C0000035
Description	6mL Clear Glass 22x38mm. 20mm Beveled Edge. Flat Bottom. Short Neck. Crimp Headspace Vial.	10mL Clear Glass 22.5x46mm. 20mm Beveled Edge. Flat Bottom. Crimp Headspace Vial.	10mL Clear Glass 22.5x46mm. 20mm Beveled Edge. Rounded-flat Bottom. Crimp Headspace Vial.	10mL Amber Glass 22.5x46mm. 20mm Beveled Edge. Flat Bottom. Crimp Headspace Vial.
Package	100pcs/pk			

Crimp Headspace ND20				
Ref.No.	C0000038	C0000039	C0000040	C0001877
Description	20mL Clear Glass 22.5x75mm. 20mm Beveled Edge. Rounded-Flat Bottom. Crimp Headspace Vial.	20mL Clear Glass 22.5x75mm. 20mm Beveled Edge. Rounded-Flat Bottom. Crimp Headspace Vial. Short Neck.	20mL Amber Glass 22.5x75mm. 20mm Beveled Edge. Rounded-Flat Bottom. Crimp Headspace Vial. Short Neck.	20mL Clear Glass 22.5x75mm. 20mm Beveled Edge. Flat Bottom. Crimp Headspace Vial with Graduations.
Package	100pcs/pk			

Crimp Neck ND20 Vial				
Ref.No.	C0002732	C0002733	C0002734	C0002735
Description	10mL Molded Clear Glass 25.4x53.5mm 20mm Square Rim Flat Bottom Crimp Headspace Vial.	30mL Molded Clear Glass 36x62.8mm 20mm Square Rim Flat Bottom Crimp Headspace Vial.	50mL Molded Clear Glass 42.5x73mm 20mm Square Rim Flat Bottom Crimp Headspace Vial.	100mL Molded Clear Glass 51.6x94.5mm 20mm Square Rim Flat Bottom Crimp Headspace Vial.
Package	768pcs/pk	276pcs/pk	336pcs/pk	189pcs/pk

## Headspace Vials & Closures

20mm Butyl Septa						
Ref.No.	C0000423	C0000407	C0000448	C0000449	C0000450	C0000433
Description	20mm Moulded Pharma-fix-septa Grey PTFE/Butyl 3mm thick.	20mm Moulded Grey PTFE/Butyl Septa one ring 3mm thick.	20mm Moulded Grey Butyl Septa one ring 3mm thick.	20mm Moulded Grey Butyl Septa both rings 3mm thick.	20mm Grey PTFE/Butyl without ring 3mm thick.	20mm Moulded Grey Butyl Injection Stopper.
Package	100pcs/pk					

ND20 Closures			
Ref.No.	C0000196	C0000197	C0000198
Description	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm Natural PTFE/White Silicone Septa 3mm Thick.	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm Natural PTFE/Blue Silicone Septa 3mm Thick.	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm White PTFE/White Silicone Septa 3mm Thick.

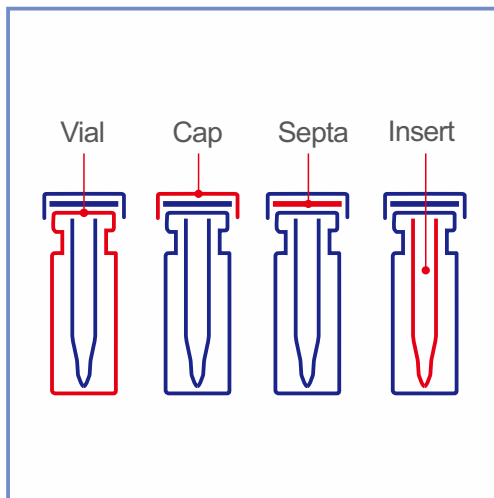
ND20 Closures			
Ref.No.	C0000199	C0000200	C0000201
Description	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm White PTFE/Blue Silicone Septa 3mm Thick.	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm Red PTFE/White Silicone Septa 3mm Thick.	20mm Open Top Aluminum Crimp Cap (10mm hole) with 20mm Natural PTFE/Natural Silicone Septa 3mm Thick.

ND20 Closures			
Ref.No.	C0000206	C0000207	C0000951
Description	20mm Open Top Bi-Metallic Crimp Cap (8mm hole) Blue & Silver with 20mm Natural PTFE/White Silicone Septa 3mm Thick.	20mm Open Top Bi-Metallic Crimp Cap (8mm hole) Blue & Silver with 20mm Natural PTFE/Natural Silicone Septa 3mm Thick.	20mm Open Top Bi-Metallic Crimp Cap (8mm hole) Red & Silver with 20mm Natural PTFE/Natural Silicone Septa 3mm Thick.

ND20 Closures			
Ref.No.	C0000205	C0000835	C0000952
Description	20mm Open Top Gold Magnetic Crimp Cap (10mm hole) with 20mm Natural PTFE/White Silicone Septa 3mm Thick.	20mm Open Top Gold Magnetic Crimp Cap (10mm hole) with 20mm White PTFE/Blue Silicone Septa 3mm Thick.	20mm Open Top Bi-Metallic Crimp Cap (8mm hole) Gold & Silver with 20mm Natural PTFE/Natural Silicone Septa 3mm Thick.

ND20 Closures			
Ref.No.	C0000855	C0001012	C0000315
Description	20.2mm Open Top Aluminum Crimp Cap (10mm hole) with Moulded Grey PTFE/Butyl Septa one ring 3mm Thick.	20.2mm Open Top Aluminum Crimp Cap (10mm hole) with Moulded Pharma-fix-septa Grey PTFE/Butyl 3mm thick.	20.2mm Open Top Aluminum Crimp Cap (pressure release) with Moulded Grey PTFE/Butyl Septa one ring 3mm Thick.
Package	100pcs/pk		

## Customized Service



- LOGO printing, Package Label, Cap Color, Septa Size and Septa Color, all of them can be customized based on huge quantities.
- According to customer needs, various models and specifications of sample vials can be customized, including various septa and packaging.
- Each customized product, from material selection to process, is checked at every level to ensure that the produced products can meet the requirements of all aspects .

Sample Vial				
Ref.No.	C0000750	C0000751	C0000752	C0000753
Description	2mL Clear Glass 12x32mm Flat Base 8-425 Screw Thread Vial with Label and ALWSCI Printing.	2mL Amber Glass 12x32mm Flat Base 8-425 Screw Thread Vial with Label and ALWSCI Printing.	2mL Clear Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label and ALWSCI Printing.	2mL Amber Glass 12x32mm Flat Base 9-425 Screw Thread Vial with Label and ALWSCI Printing.
Package	100pcs/pk			

Sample Vial				
Ref.No.	C0000754	C0000755	C0000756	C0000757
Description	2mL Clear Glass Flat Base 11mm Crimp Vial Wide Opening with Label and ALWSCI Printing.	2mL Amber Glass Flat Base 11mm Crimp Vial Wide Opening with Label and ALWSCI Printing.	2mL Clear Glass Flat Base 11mm Snap Vial Wide Opening with Label and ALWSCI Printing.	2mL Amber Glass Flat Base 11mm Snap Vial Wide Opening with Label and ALWSCI Printing.
Package	100pcs/pk			

Septa & Closures			
Ref.No.	C0001055	C0001140	C0001415
Description	Blue PTFE/White Silicone Septa. 14.7x3mm (UltraClean).	11mm Transparent TEF/Butyl Red/ Natural Rubber Red-orange Septa.	24-414 Blue Open Top PP Screw Cap with 22mm Natural PTFE/White Silicone Septa 3mm Thick.
Package	100pcs/pk		

1 Hit Products

2 New Arrivals

3 Autosampler Vials & Closures

4 Headspace Vials & Closures

5 Sample Vials & Closures

6 Laboratory Tools

7 Welded Syringe Filter

8 Economy Syringe Filter

9 Sterile Syringe Filter

10 Laboratory Syringe

11 Membrane Filter



## 5. SAMPLE VIALS & CLOSURES

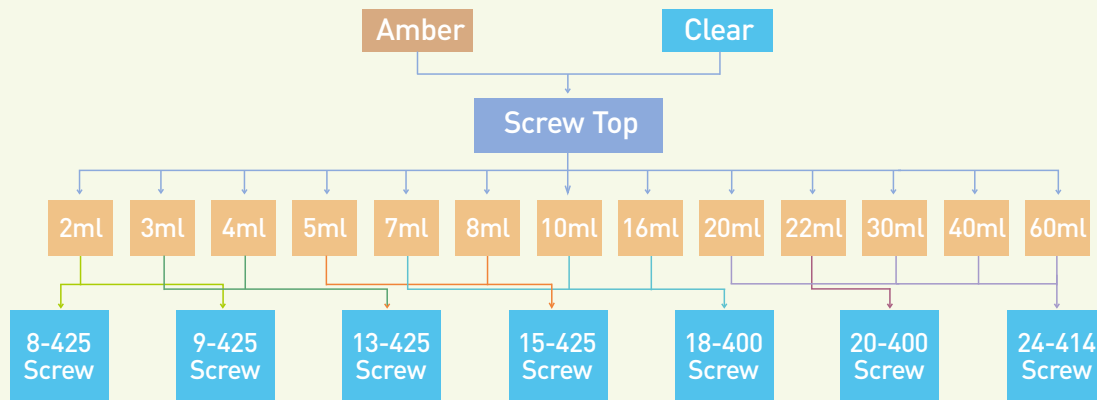
- Sample Vials & Closures / 40-41
- ND24 Sample Vials Pre-assembled / 42
- Sample Vial Kit Package / 43
- Tamper-Evident Closures & Glass Bottle / 44-45
- Boston Round Bottle / 46-47
- Wide Mouth Bottle / 48-49
- Soil Sampling Jar / 50
- Volumetric Flask / 51

# Sample Vials & Closures










- Screw vials for storage purpose, vials with different volumes are available.
- **Vial Color:** Clear, Amber.
- **Cap Color:** White, Black, Red, Blue, Yellow, Green, etc.
- **Septa material:** PE, PTFE/Silicone, PTFE/Butyl, Silicone only, etc.
- Pre-assembled service is available.

## Sample Vials Selection Guide



## Sample Vials Application

Industry	End use application
 Diagnostic	Reagents, blood media and testing, urine analysis.
 Analytical	Chromatography, DNA testing, genome sequencing.
 Pharmaceuticals	Human injectable, oral liquid dosage, dry fill, animal health.
 Cosmetics	Perfume sampling, fragrance product launches, point of purchase, cosmetic counter giveaways.
 Gas/ Oil/ Water	Municipal & private water testing, energy-oil industry, hydraulic fracturing (tracking).
 Nutraceuticals	Dietary supplements, herbal medications.
 Other	Penny promotion & marketing tools, Essential oils, liquid potpourri.

## Sample Vials & Closures

### Sample Vial & Closures

- Full range of storage vials, both OEM&ODM are available.
- Available in clear and amber glass vials, screw caps with PTFE/silicone septa, PE lined and PE/Alu Foil.
- Extensively in environmental, food, and pharmaceutical applications, suitable for the packaging of various pharmaceutical intermediates, high value-added chemicals, chemical reagents, biological reagents, cosmetics, essences and oils, etc.
- Suitable for long-term storage and transportation of products, has excellent sealing performance.



Ref.No.	Size	Description	Package
C000006	12x32mm	2mL Clear Glass Flat Base 9-425 Screw Thread Vial.	100pcs/pk
C000041	12x32mm	2mL Amber Glass Sample Vial 9-425 Screw Thread.	100pcs/pk
C000042	16x33mm	3mL Clear Glass Sample Vial 13-425 Screw Thread.	100pcs/pk
C000043	16x33mm	3mL Amber Glass Sample Vial 13-425 Screw Thread.	100pcs/pk
C000024	15x45mm	4mL Clear Glass Flat Base 13-425 Screw Thread Vial.	100pcs/pk
C000044	15x45mm	4mL Amber Glass Sample Vial 13-425 Screw Thread.	100pcs/pk
C000045	18x40mm	5mL Clear Glass Sample Vial 15-425 Screw Thread.	100pcs/pk
C0000929	18x40mm	5mL Amber Glass Sample Vial 15-425 Screw Thread.	100pcs/pk
C000048	22x40mm	7mL Clear Glass Sample Vial 18-400 Screw Thread.	100pcs/pk
C000049	22x40mm	7mL Amber Glass Sample Vial 18-400 Screw Thread.	100pcs/pk
C000051	17x60mm	8mL Clear Glass Sample Vial 15-425 Screw Thread.	100pcs/pk
C000052	17x60mm	8mL Amber Glass Sample Vial 15-425 Screw Thread.	100pcs/pk
C000053	22x52mm	10mL Clear Glass Sample Vial 18-400 Screw Thread.	100pcs/pk
C000054	22x52mm	10mL Amber Glass Sample Vial 18-400 Screw Thread.	100pcs/pk
C0001370	19x65mm	12mL Clear Glass Sample Vial 15-425 Screw Thread.	100pcs/pk
C0001371	19x65mm	12mL Amber Glass Sample Vial 15-425 Screw Thread.	100pcs/pk
C0001410	21x70mm	15mL Clear Glass Sample Vial 18-400 Screw Thread.	144pcs/pk
C0001638	21x70mm	15mL Amber Glass Sample Vial 18-400 Screw Thread.	144pcs/pk
C0000055	22x72.5mm	16mL Clear Glass Sample Vial 18-400 Screw Thread.	100pcs/pk
C0000056	22x72.5mm	16mL Amber Glass Sample Vial 18-400 Screw Thread.	100pcs/pk
C0000057	27.5x57mm	20mL Clear Glass Sample Vial 24-414 Screw Thread.	100pcs/pk
C0000058	27.5x57mm	20mL Amber Glass Sample Vial 24-414 Screw Thread.	100pcs/pk
C0001222	23x85mm	22mL Clear Glass Sample Vial 20-400 Screw Thread.	100pcs/pk
C0001223	23x85mm	22mL Amber Glass Sample Vial 20-400 Screw Thread.	100pcs/pk
C0000059	27.5x84mm	30mL Clear Glass Sample Vial 24-414 Screw Thread.	100pcs/pk
C0000060	27.5x84mm	30mL Amber Glass Sample Vial 24-414 Screw Thread.	100pcs/pk
C0000061	27.5x95mm	40mL Clear Glass Sample Vial 24-414 Screw Thread.	100pcs/pk
C0000062	27.5x95mm	40mL Amber Glass Sample Vial 24-414 Screw Thread.	100pcs/pk
C0000065	27.5x140mm	60mL Clear Glass Sample Vial 24-414 Screw Thread.	100pcs/pk
C0000066	27.5x140mm	60mL Amber Glass Sample Vial 24-414 Screw Thread.	100pcs/pk

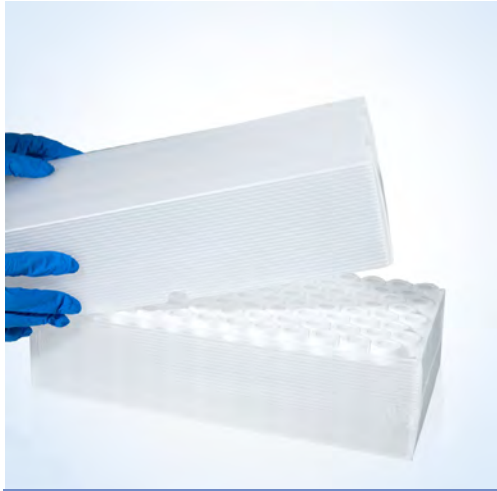


Septa							
Ref.No.	C0000402	C0000322	C0001873	C0000440	C0000958	C0000862	C0000443
Description	9-425 Red PTFE/White Silicone Septa 1mm Thick.	13-425 Red PTFE/White Silicone Septa 1mm Thick.	15-425 Natural PTFE/White Silicone Septa 2mm Thick.	18-400 Natural PTFE/White Silicone Septa 1.5mm Thick.	20-400 Natural PTFE/White Silicone Septa 2mm Thick.	22-400 Natural PTFE/White Silicone Septa 2mm Thick.	22mm Natural PTFE/White Silicone Septa 1.5mm Thick.
Package	100pcs/pk						

Closures				
Ref.No.	C0000966	C0000156	C0000189	C0000190
Description	9-425 Blue Smooth Closed PP Top Cap with 9mm Red PTFE/White Silicone/Red PTFE Septa 1mm Thick.	9-425 Black Smooth Closed PP Top Cap with 9mm Red PTFE/White Silicone Septa 1mm Thick.	13-425 Red Closed Top PP Cap with White PTFE/Red Silicone Septa 1mm Thick.	13-425 Green Closed Top PP Cap with White PTFE/Red Silicone Septa 1mm Thick.
Closures				
Ref.No.	C0000186	C0001994	C0001422	C0001940
Description	13-425 White Closed Top PP Cap with White PTFE/Red Silicone Septa 1mm Thick.	13-425 Black Closed Top PP Cap with White PTFE/Red Silicone Septa 1mm Thick.	15-425 White Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	15-425 Black Closed Top PP Cap with Natural PTFE/White Silicone/Natural PTFE Septa 2mm Thick.
Closures				
Ref.No.	C0000221	C0000220	C0000989	C0000227
Description	18-400 White Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	18-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	20-400 White Closed Top PP Cap with Natural PTFE/White Silicone Septa 2mm Thick.	20-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 2mm Thick.
Closures				
Ref.No.	C0000812	C0000210	C0000216	C0000215
Description	22-400 White Closed Top PP Screw Cap with 22mm Natural PTFE/White Silicone Septa 2mm Thick.	22-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 2mm Thick.	24mm White Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	24mm Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.
Package	100pcs/pk			

# Sample Vials & Closures





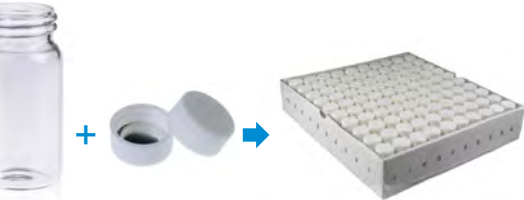



## ND24 Sample Vials Kit



- If you are doing any sampling, testing, or validation, you need to make sure the results were not skewed by a contaminant that may have come from the container.
- Teflon lined caps and protective dust covers.
- Superior vial-to-vial consistency.

Kit Package		
Ref.No.	C0001144	C0001417
Description	20mL Clear Glass Sample Vial 27.5x57mm. 24mm Black Closed Top PP Cap with 22mm Natural PTFE/White Silicone Septa 1.5mm thick.	20mL Amber Glass Sample Vial 27.5x57mm. 24mm White Closed Top PP Cap with 22mm Natural PTFE/White Silicone Septa 1.5mm thick.
Package	Vial+Cap+Septa are pre-assembled together. 100pcs/pk	
Kit Package		
Ref.No.	C0000948	C0000933
Description	40mL Clear Glass Vial 24-414 White Open Top PP Screw Cap and Natural PTFE/White Silicone 3mm Thick Septa.	40mL Amber Glass Vial 24-414 White Open Top PP Screw Cap and Natural PTFE/White Silicone 3mm Thick Septa.
Package	Vial + Cap + Septa are pre-assembled together. 100pcs/pk	
Kit Package		
Ref.No.	C0001206	C0001207
Description	60mL Clear Glass Vial 24-414 White Open Top PP Screw Cap and Natural PTFE/White Silicone 3mm Thick Septa.	60mL Amber Glass Vial 24-414 White Open Top PP Screw Cap and Natural PTFE/White Silicone 3mm Thick Septa.
Package	Vial + Cap + Septa are pre-assembled together. 100pcs/pk	

## Sample Vial Kit Package

Kit Package		
Ref.No.	C0001316	C0001317
Description	4mL Clear Glass Sample Vial with 13-425 Red Closed Top PP Screw Cap and Red PTFE/White Silicone 1mm Thick Septa.	4mL Amber Glass Sample Vial with 13-425 Red Closed Top PP Screw Cap and Natural PTFE/White Silicone 1mm Thick Septa.
Package	Vial + Cap + Septa will be pre-assembled together. Packed with dividers. 144pcs/pk	
Kit Package		
Ref.No.	C0001327	C0001319
Description	8mL Clear Glass Sample Vial 17x60mm with 15-425 White Closed Top PP Cap with Natural PTFE/White Silicone Septa 2.0mm Thick.	8mL Amber Glass Sample Vial 17x60mm with 15-425 White Closed Top PP Cap with Natural PTFE/White Silicone Septa 2.0mm Thick.
Package	Vial+Cap+Septa are pre-assembled together. Packed with dividers. 144pcs/pk	
Kit Package		
Ref.No.	C0000802	C0001321
Description	20mL Clear Glass Vial. 27.5x58mm with 22-400 White Closed Top PP Cap and Silver Aluminum Foil PE Liner 1.5mm Thick. Vial+Cap+Septa are pre-assembled together. Packed with dividers.	20mL Amber Glass Sample Vial. 27.5x57mm with 24mm White Closed Top PP Cap with 22mm Natural PTFE/White Silicone Septa 1.5mm Thick. Vial+Cap+Septa are pre-assembled together. Packed with dividers.
Package	100pcs/pk	144pcs/pk
Kit Package		
Ref.No.	C0001096	C0001125
Description	40mL Clear Glass Vial 24-414 White Open Top PP Screw Cap and Natural PTFE/White Silicone 3mm Thick Septa.	40mL Amber Glass Vial 24-414 White Open Top PP Screw Cap and Natural PTFE/White Silicone 3mm Thick Septa.
Package	Vial + Cap + Septa are pre-assembled together. Packed with dividers. 72pcs/pk.	

## Tamper-Evident Closures & Glass Bottle



- Tamper evidence is vital for a number of industries, which helps consumers identify whether a bottle has been opened or not before purchasing.
- PTFE/PE liners with polypropylene caps have excellent sealing characteristics and good chemical resistance to acids, alcohols, alkalis, aqueous products, and solvents.
- Kind reminder: tamper-evident cap with different color tamper-evident ring creates a easier identification.
- Come and choose ALWSCI tamper-evident bottles & closures, give customers peace of mind that the products they are buying have not been altered after leaving the manufacturer.

### Can be used for Serve As

- Environmental lab samples;
- Analyze lab samples;
- Contaminant-intolerant chemicals;
- High value-added chemicals;
- Acids;
- Reagents, and etc.



### > 18mm Tamper-Evident Closures

Closures			
Ref.No.	C0001730	C0001731	C0001732
Description	18mm Red PP Tamper-Evident Cap with Nartural PTFE/White PE Septa 1.5mm Thick.	18mm Black PP Tamper-Evident Cap with Nartural PTFE/White PE Septa 1.5mm Thick.	18mm Blue PP Tamper-Evident Cap with Nartural PTFE/White PE Septa 1.5mm Thick.
Package	100pcs/pk		

### > 28mm Tamper-Evident Closures

Closures			
Ref.No.	C0001733	C0001734	C0001735
Description	28mm Red PP Tamper-Evident Cap with Nartural PTFE/White PE Septa 1.5mm Thick.	28mm Black PP Tamper-Evident Cap with Nartural PTFE/White PE Septa 1.5mm Thick.	28mm Blue PP Tamper-Evident Cap with Nartural PTFE/White PE Septa 1.5mm Thick.
Package	50pcs/pk		

>38mm & 45mm Tamper-Evident Closures

Closures		
Ref.No.	C0001865	C0001866
Description	38mm Red PP Tamper-Evident Cap with Natural PTFE/White PE Septa 2mm Thick.	45mm Red PP Tamper-Evident Cap with Natural PTFE/White PE Septa 2mm Thick.
Package	30pcs/pk	25pcs/pk

> Glass Bottle

Glass Bottle				
Ref.No.	C0000846	C0000843	C0001861	C0000845
Description	5mL 22.0x50.2mm. Amber Glass Bottle DIN-18 Tamper-Evident Screw Thread.	10mL 24.8x58.0mm. Amber Glass Bottle DIN-18 Tamper-Evident Screw Thread.	15mL 34.3x55.0mm. Amber Glass Bottle DIN-28 Tamper-Evident Screw Thread.	20mL 28.7x71.5mm. Amber Glass Bottle DIN-18 Tamper-Evident Screw Thread.

Glass Bottle				
Ref.No.	C0001725	C0001726	C0001727	C0001728
Description	30mL 36.8x68.0mm. Amber Glass Bottle DIN-28 Tamper-Evident Screw Thread.	60mL 38.5x94.5mm. Amber Glass Bottle DIN-28 Tamper-Evident Screw Thread.	125mL 48.7x114.8mm. Amber Glass Bottle DIN-28 Tamper-Evident Screw Thread.	200mL 57.6x134mm. Amber Glass Bottle DIN-28 Tamper-Evident Screw Thread.

Glass Bottle			
Ref.No.	C0001862	C0001863	C0001864
Description	75mL 45.3x84.5mm. Amber Glass Bottle DIN-38 Tamper-Evident Screw Thread.	200mL 61.4x111.5mm. Amber Glass Bottle DIN-45 Tamper-Evident Screw Thread.	500mL 76.1x191.0mm. Amber Glass Bottle DIN-28 Tamper-Evident Screw Thread with Anti-slip grained design.

## Sample Vials & Closures

### Boston Round Bottle



- A classic bottle shape in the packaging industry, the Boston bottle (also known as a Winchester Bottle), can hold almost liquid or solid.
- Traditionally used for pharmaceutical, chemical and laboratory applications, popular uses break the mold and extend across most markets today.
- The clear design makes it easy to identify the contents, and the amber glass bottles provide UV protection for light sensitive components, assisting with keeping your products maintained when storing.

#### Features:

- Available in clear and amber.
- Sizes: 1/2 oz to 32 oz.
- Strong and heavy bottle.
- Classic Boston Round bottle shape.
- Narrow mouth, ideal for solvents, chemicals and sample storage.



#### > Boston Round Bottle

Ref.No.	Size	Description	Package
C0002622	25x68mm	15mL(1/2oz) 18-400 Boston Round Clear Glass Bottle.	288pcs/ctn
C0002623	25x68mm	15mL(1/2oz) 18-400 Boston Round Amber Glass Bottle.	288pcs/ctn
C0000116	33x79mm	30mL(1oz) 20-400 Boston Round Clear Glass Bottle.	48pcs/ctn
C0000115	33x79mm	30mL(1oz) 20-400 Boston Round Amber Glass Bottle.	48pcs/ctn
C0000119	39x94mm	60mL(2oz) 20-400 Boston Round Clear Glass Bottle.	48pcs/ctn
C0000118	39x94mm	60mL(2oz) 20-400 Boston Round Amber Glass Bottle.	48pcs/ctn
C0000122	48x112mm	120mL(4oz) 22-400 Boston Round Clear Glass Bottle.	24pcs/ctn
C0000121	48x112mm	120mL(4oz) 22-400 Boston Round Amber Glass Bottle.	24pcs/ctn
C0002624	60x138mm	240mL(8oz) 28-400 Boston Round Clear Glass Bottle.	24pcs/ctn
C0001405	60x138mm	240mL(8oz) 28-400 Boston Round Amber Glass Bottle.	24pcs/ctn
C0002625	75x168mm	480mL(16oz) 28-400 Boston Round Clear Glass Bottle.	12pcs/ctn
C0002626	75x168mm	480mL(16oz) 28-400 Boston Round Amber Glass Bottle.	12pcs/ctn
C0002627	95x208mm	960mL(32oz) 33-400 Boston Round Clear Glass Bottle.	8pcs/ctn
C0000125	95x208mm	960mL(32oz) 33-400 Boston Round Amber Glass Bottle.	8pcs/ctn

◆ Ps: Bottles and closures sold separately

> Narrow Mouth Bottle Closures

Closures				
Ref.No.	C0000220	C0002607	C0001126	C0001127
Description	18-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	18-400 Black Closed Top PP Cap with Natural PTFE/White PE Septa 1.5mm Thick.	20-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 2.0mm Thick.	20-400 Black Closed Top PP Cap with White PE Septa 1.0mm Thick.
Package	100pcs/pk	100pcs/pk	48pcs/pk	48pcs/pk
Closures				
Ref.No.	C0001128	C0001129	C0001130	C0001131
Description	22-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 2.0mm Thick.	22-400 Black Closed Top PP Cap with White PE Septa 1.0mm Thick.	24mm Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	24mm Black Closed Top PP Cap with White PE Septa 1.0mm Thick.
Package	24pcs/pk	24pcs/pk	30pcs/pk	30pcs/pk
Closures				
Ref.No.	C0000229	C0000230	C0000231	C0001779
Description	28-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	28-400 Black Closed Top PP Cap with White PE Septa 1.0mm Thick.	33-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	33-400 Black Closed Top PP Cap with Natural PTFE/White PE Septa 1.5mm Thick.
Package	12pcs/pk	12pcs/pk	8pcs/pk	8pcs/pk

1 Hit Products

2 New Arrivals

3 Autosampler Vials & Closures

4 Headspace Vials & Closures

5 Sample Vials & Closures

6 Laboratory Tools

7 Welded Syringe Filter

8 Economy Syringe Filter

9 Sterile Syringe Filter

10 Laboratory Syringe

11 Membrane Filter

## Sample Vials & Closures

### Wide Mouth Bottle



- Wide mouth bottles are widely used for packaging of Pharmaceutical intermediate, High value-added chemicals, etc.
- Offer Packaging customized service.

#### > Wide Mouth Bottle

Wide Mouth Bottle				
Ref.No.	C0000105	C0000107	C0000108	C0000109
Description	60mL 33-400 44.5x75.5mm. Wide Mouth Amber Glass Bottle.	100mL 38-400 50x87.5mm. Wide Mouth Amber Glass Bottle.	120mL 38-400 52.8x95mm. Wide Mouth Amber Glass Bottle.	150mL 45-400 56x100mm. Wide Mouth Amber Glass Bottle.
Package	48pcs/ctn	24pcs/ctn	24pcs/ctn	24pcs/ctn
Wide Mouth Bottle				
Ref.No.	C0000110	C0000111	C0000112	C0000113
Description	200mL 45-400 61.4x109.5mm. Wide Mouth Amber Glass Bottle.	250mL 45-400 64x119mm. Wide Mouth Amber Glass Bottle.	300mL 53-400 68.3x126.4mm. Wide Mouth Amber Glass Bottle.	500mL 53-400 80.6x146.5mm. Wide Mouth Amber Glass Bottle.
Package	24pcs/ctn	24pcs/ctn	24pcs/ctn	12pcs/ctn

> Wide Mouth Bottle Closures

Closures			
Ref.No.	C0000231	C0000233	C0001779
Description	33-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	33-400 Black Closed Top PP Cap with White PTFE Septa 0.5mm Thick.	33-400 Black Closed Top PP Cap with Natural PTFE/White PE Septa 1.5mm Thick.
Package	8pcs/pk		

Closures			
Ref.No.	C0000255	C0000256	C0000257
Description	38-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	38-400 Black Closed Top PP Cap with White PTFE Septa 0.5mm Thick.	38-400 Black Closed Top PP Cap with White PE Septa 1.0mm Thick.
Package	24pcs/pk		

Closures			
Ref.No.	C0000258	C0000259	C0000260
Description	45-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	45-400 Black Closed Top PP Cap with White PTFE Septa 0.5mm Thick.	45-400 Black Closed Top PP Cap with White PE Septa 1.0mm Thick.
Package	24pcs/pk		

Closures			
Ref.No.	C0000261	C0000262	C0000263
Description	53-400 Black Closed Top PP Cap with Natural PTFE/White Silicone Septa 1.5mm Thick.	53-400 Black Closed Top PP Cap with White PTFE Septa 0.5mm Thick.	53-400 Black Closed Top PP Cap with White PE Septa 1.0mm Thick.
Package	12pcs/pk		

## Sample Vials & Closures

### Soil Sampling Jar



- The soil sampling jar is mainly used for the sampling and storage of solid soil, sludge or other high-value chemicals.
- In accordance with EPA method(detection of SVOC or VOC content in water and soil), as well as other methods.
- The cap is made of high-quality polypropylene by injection. Different colors are available, such as black, white and etc.
- The materials of liner are Polyethylene, Teflon or Teflon/Silicone, different materials for different requirements.
- The most important-the performance of sealing is perfect, which ensures that the sample is not contaminated by outside air and other components.

Soil Sampling Jar				
Ref.No.	C0001702	C0001703	C0001704	C0001705
Description	120mL 60x69mm. Wide Mouth Amber Glass Soil Sampling Jar. 56mm White Closed Top PP Cap with White PE Septa 1.0mm Thick.	120mL 60x69mm. Wide Mouth Amber Glass Soil Sampling Jar. 56mm Black Closed Top PP Cap with White PE Septa 1.0mm Thick.	240mL 73x89mm. Wide Mouth Amber Glass Soil Sampling Jar. 70mm White Closed Top PP Cap with White PE Septa 1.0mm Thick.	240mL 73x89mm. Wide Mouth Amber Glass Soil Sampling Jar. 70mm Black Closed Top PP Cap with White PE Septa 1.0mm Thick.
Package	105pcs/ctn	105pcs/ctn	60pcs/ctn	60pcs/ctn

Soil Sampling Jar				
Ref.No.	C0001706	C0001707	C0001708	C0001709
Description	480mL 91x100mm. Wide Mouth Amber Glass Soil Sampling Jar. 89mm White Closed Top PP Cap with White PE Septa 1.0mm Thick.	480mL 91x100mm. Wide Mouth Amber Glass Soil Sampling Jar. 89mm Black Closed Top PP Cap with White PE Septa 1.0mm Thick.	1000mL 93x187mm. Wide Mouth Amber Glass Soil Sampling Jar. 89mm White Closed Top PP Cap with White PE Septa 1.0mm Thick.	1000mL 93x187mm. Wide Mouth Amber Glass Soil Sampling Jar. 89mm Black Closed Top PP Cap with White PE Septa 1.0mm Thick.
Package	60pcs/ctn	60pcs/ctn	20pcs/ctn	20pcs/ctn

## Volumetric Flask



- A volumetric flask is an essential tool used in many laboratories for accurately measuring and preparing solutions for a wide range of experiments.
- ALWSCI volumetric flasks are available in a variety of sizes, from 5ML to 2000ML.
- They have narrow necks, flat bottoms, and single graduation marks, making them more precise than other types of flasks.
- Volumetric flasks are made of high-quality materials such as borosilicate glass, making them durable and resistant to temperature changes.
- They are a must-have for any scientist or researcher who needs to prepare high-precision solutions.

- One of the advantages of using a volumetric flask is that they are highly accurate. The volumetric flasks are calibrated to measure the exact volume of liquid. This accuracy is particularly important in scientific research.
- Another advantage of using volumetric flasks is their ease of use. They are simple and straightforward to use. They are also easy to clean and maintain, which ensures that they remain in good condition for a long time.



Resistant to strong acids and alkalis



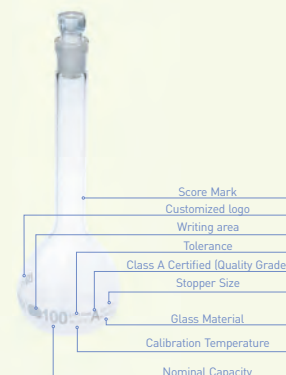
Metal element blank low value



Batch metrology certificate



Flask stopper and mouth have good tightness



Ref.No.	Capacity	Description	Tol.(+/- ml)	Pack qty.
C0002529	5mL	NS10/13 Clear Glass Volumetric Flask Class A	±0.02	2pcs/pk.
C0002530	5mL	NS10/13 Amber Glass Volumetric Flask Class A	±0.02	2pcs/pk.
C0002531	10mL	NS10/13 Clear Glass Volumetric Flask Class A	±0.02	2pcs/pk.
C0002532	10mL	NS10/13 Amber Glass Volumetric Flask Class A	±0.02	2pcs/pk.
C0002533	20mL	NS12/14 Clear Glass Volumetric Flask Class A	±0.02	2pcs/pk.
C0002534	20mL	NS12/14 Amber Glass Volumetric Flask Class A	±0.02	2pcs/pk.
C0002535	25mL	NS12/14 Clear Glass Volumetric Flask Class A	±0.03	2pcs/pk.
C0002536	25mL	NS12/14 Amber Glass Volumetric Flask Class A	±0.03	2pcs/pk.
C0002537	50mL	NS12/14 Clear Glass Volumetric Flask Class A	±0.05	2pcs/pk.
C0002538	50mL	NS12/14 Amber Glass Volumetric Flask Class A	±0.05	2pcs/pk.
C0002539	100mL	NS12/14 Clear Glass Volumetric Flask Class A	±0.10	2pcs/pk.
C0002540	100mL	NS12/14 Amber Glass Volumetric Flask Class A	±0.10	2pcs/pk.
C0002543	200mL	NS14/23 Clear Glass Volumetric Flask Class A	±0.15	2pcs/pk.
C0002544	200mL	NS14/23 Amber Glass Volumetric Flask Class A	±0.15	2pcs/pk.
C0002545	250mL	NS14/23 Clear Glass Volumetric Flask Class A	±0.15	2pcs/pk.
C0002546	250mL	NS14/23 Amber Glass Volumetric Flask Class A	±0.15	2pcs/pk.
C0002547	500mL	NS19/26 Clear Glass Volumetric Flask Class A	±0.25	2pcs/pk.
C0002548	500mL	NS19/26 Amber Glass Volumetric Flask Class A	±0.25	2pcs/pk.
C0002549	1000mL	NS19/26 Clear Glass Volumetric Flask Class A	±0.40	2pcs/pk.
C0002550	1000mL	NS19/26 Amber Glass Volumetric Flask Class A	±0.40	2pcs/pk.
C0002551	2000mL	NS29/32 Clear Glass Volumetric Flask Class A	±0.60	2pcs/pk.
C0002552	2000mL	NS29/32 Amber Glass Volumetric Flask Class A	±0.60	2pcs/pk.



## 6. LABORATORY TOOLS

- GC Septa / 53
- Vial Rack / 53
- Crimper & Decrimper / 53

# Laboratory Tools



- > GC Septa
  - GC septa are used in gas chromatography (GC).
  - These GC accessories need to introduce the sample without leakage and withstand the high-temperatures of laboratory ovens.
- > Vial Rack
  - Easy handling and transportation of sample vials.
  - Stable standing position because of solid construction.

GC Septa					
Ref.No.	C0000437	C0000982	C0001086	C0000800	C0000993
Description	Orange High Temp Ultra Low Bleed GC Septa 11x3mm Pre-Pierced. Used up to 320°C.	Blue Normal Silicone Septa 10.8x3mm. Used up to 250°C.	Blue Normal Silicone Septa 12.5x3mm. Used up to 250°C.	Orange High Temp Ultra Low Bleed GC Septa 11x3mm. Used up to 320°C.	Orange GC Plug Septa, Ultra Low Bleed Septa, Used Up To 320°C. For Shimadzu.
Package	50pcs/pk				

Vial Rack			
Ref.No.	C0001909	C0001908	C0001840
Description	Red PP Vial Rack 50 Positions for 2mL Vials. With Printing ALWSCI Logo in White.	Orange PP Vial Rack 50 Positions for 2mL Vials. With Printing ALWSCI Logo in White.	White PP Vial Rack 50 Positions for 2mL Vials. With Printing ALWSCI Logo in Black.
Vial Rack			
Ref.No.	C0001265	C0001565	C0000096
Description	Blue PP Vial Rack 50 Positions for 2mL Vials. With Printing ALWSCI Logo in White.	Blue PP Vial Rack 50 Positions for 4mL Vials. With Printing ALWSCI Logo in White.	PP Vial Rack for EPA VOA Vials White Color.
Package	1pcs/pk		

Crimper & Decrimper							
Ref.No.	C0000265	C0000264	C0000266	C0000267	C0000268	C0000269	C0001385
Description	Crimper for 11mm Aluminum Crimp Cap Stainless Steel.	Crimper for 20mm Aluminum Crimp Cap Stainless Steel.	Stainless Steel Crimper for 13mm Flip off Cap.	Stainless Steel Crimper for 20mm Flip off Cap.	Decrimper for 11mm Aluminum Crimp Cap Stainless Steel.	Decrimper for 20mm Aluminum Crimp Cap Stainless Steel.	Decrimper for 11mm/20mm Crimp Cap(Plier Type).
Package	1pcs/pk						

1 Hit Products  
2 New Arrivals  
3 Autosampler Vials & Closures  
4 Headspace Vials & Closures  
5 Sample Vials & Closures  
6 Laboratory Tools  
7 Welded Syringe Filter  
8 Economy Syringe Filter  
9 Sterile Syringe Filter  
10 Laboratory Syringe  
11 Membrane Filter



## 7. WELDED SYRINGE FILTER

- Nylon / 57
- PTFE / 58-59
- PVDF / 60-61
- CA / 62
- PES / 63
- RC /64

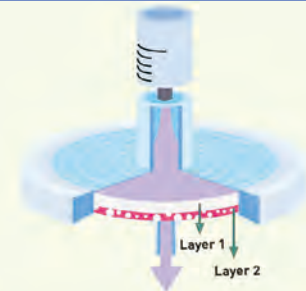
# Welded Syringe Filter



- Filtration is achieved by pushing the sample through the membrane with a syringe or other luer-connection device.
- Syringe Filters allow you to control the rate off low, which can be critical with delicate samples.
- It also allows you to filter into nearly any tube, vial, or column that represents the next step in your analysis.
- Filter size: 13mm/25mm/30mm
- Pore size: 0.22um/0.45um

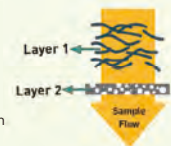
## Syringe Filter Selection Guide

- Syringe filters are used for many routine preparation steps in laboratories all over the world.
- They are convenient, ready-to use disposables for removal of particles from solutions and gases.
- Labfil® syringe filters are for a wide range of applications.
- The filters are clean and safe as they are virtually free of leachables and extractables and reliably remove particles and microorganisms without any leakage.
- It is perfect match for the labfil® Luer interface syringe, easy to use, and will not leak to ensure a healthy laboratory environment.

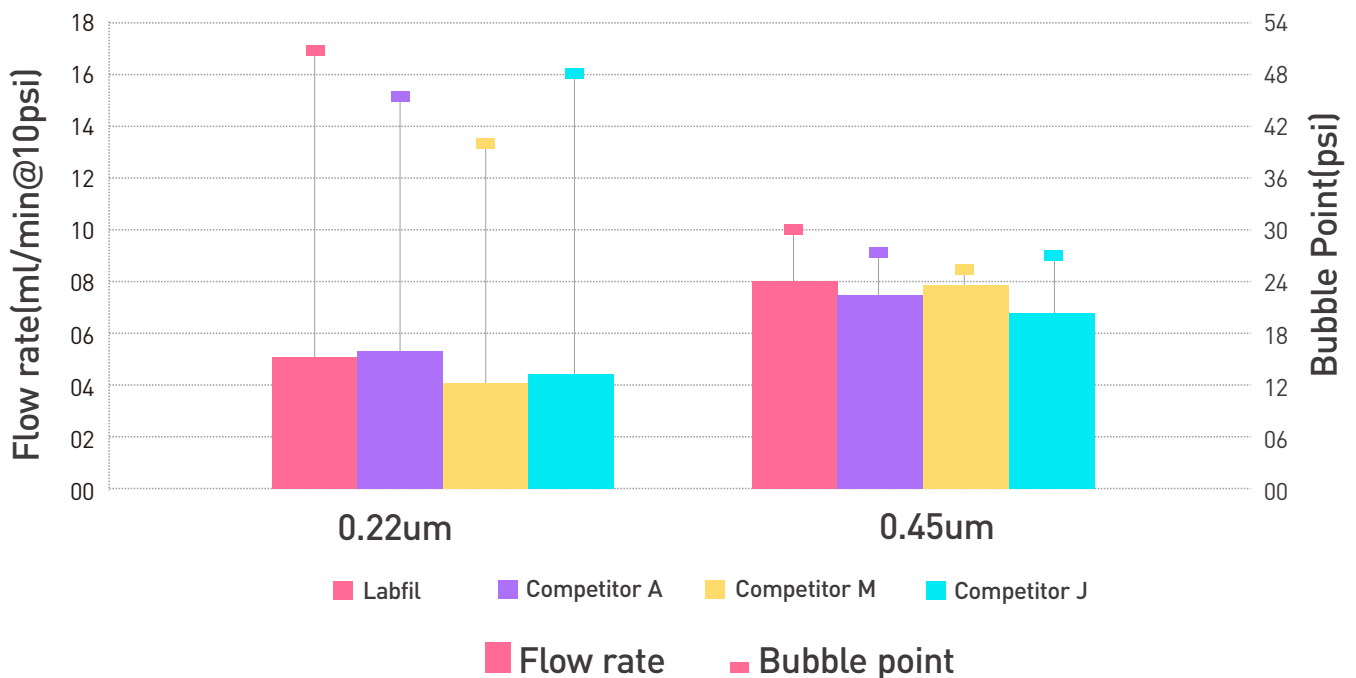


Layer 1  
PP Prefilter  
membrane

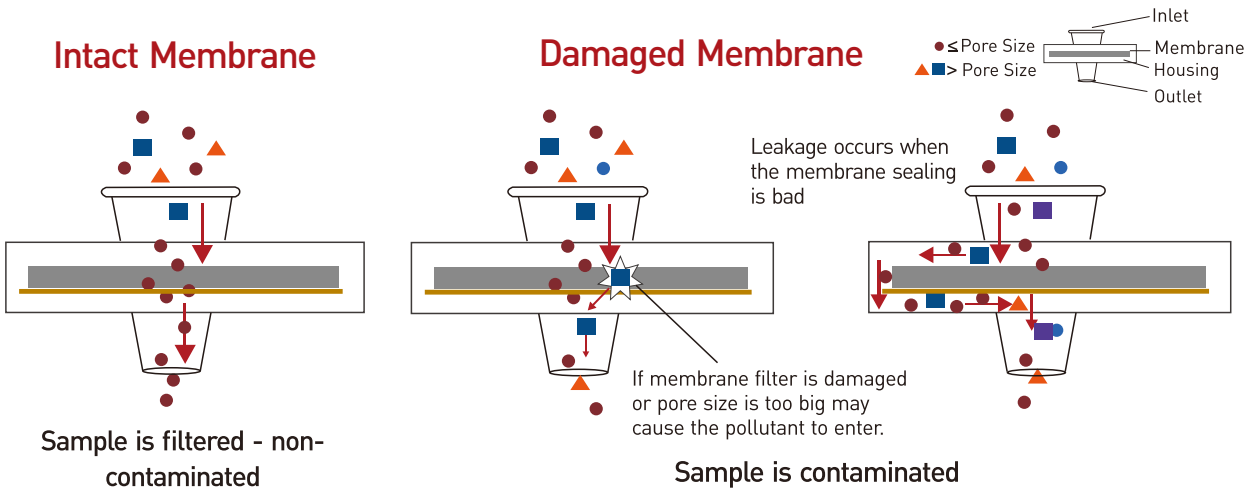
Layer 2  
Membrane filter  
Nylon, PVDF, PTFE, etc.  
Filters down to 0.22um or 0.45um



The comparison of Labfil® filter and other brands



# Membrane Selection Guide



- Choosing a membrane filter is based on the size and amount of particulate in the sample, the membrane's chemical compatibility with the sample matrix, and potential interactions (binding) between the membranes and the sample components.
- This table offers general guidelines on membrane characteristics and applications.

## Membrane Selection Guide

Membrane Types	Features	Common Uses
Nylon	Good chemical compatibility and very low extractables	General filtration sterilization, HPLC sample preparation
Polytetrafluoroethylene (PTFE)	Compatible with strong acids and aggressive solvents	Gas, Air, and Solvent filtration
Polyvinylidene Fluoride (PVDF)	Good flow rate characteristics. Ideal for chromatography applications.	HPLC sample preparation and General filtration

Syringe Filter Diameter	Sample Volume	Pre-Cut Membrane Diameter	Sample Volume
13mm	less or equal 10mL	13mm Pre-Cut Membranes	up to 20mL
25mm	less or equal 100mL	25mm Pre-Cut Membranes	up to 100mL
30mm	less or equal 150mL	47mm Pre-Cut Membranes	multi-liter

## Nylon



- High mechanical and tensile strength.
- Used for most organic solvents and mid-polar liquids.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.

**Features:**

- This Nylon+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- One of the most commonly used membranes; broad compatibility with aqueous and organic solvents, with stable hydrophilicity, not suitable for highly acidic samples.

**Applications:**

- Used for most organic solvents mixtures and mid-polar liquids.
- Chemical filtration and Beverage filtration.
- Note: Nylon binds protein, do not use when high protein recovery is desired.

## Typical data

Material	Nylon		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	30mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(30mm)
Maximum Operating Temperature	100°C		
Maximum Operating Pressure(psi)	87psi		

Nylon			
Ref.No.	C0000277	C0000279	C0000565
Description	13mm Nylon Welded Syringe Filter 0.22µm with Printing.	25mm Nylon Welded Syringe Filter 0.22µm with Printing.	30mm Nylon Welded Syringe Filter 0.22µm with Printing.
Nylon			
Ref.No.	C0000278	C0000280	C0000566
Description	13mm Nylon Welded Syringe Filter 0.45µm with Printing.	25mm Nylon Welded Syringe Filter 0.45µm with Printing.	30mm Nylon Welded Syringe Filter 0.45µm with Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## Welded Syringe Filter

### PTFE Hydrophilic



- For removing particulates, reducing signal-to-noise ratios and maintaining flat baselines.
- Filtering aqueous and organic solutions.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.

#### Features:

- This PTFE+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- Broad chemical compatibility choose for filtering aqueous and organic solutions low protein binding.

#### Applications:

- Industrial Chromatography.
- Filtration of aqueous solutions as well as organic solvents and chemicals.

### Typical data

Material	PTFE Hydrophilic		
Material of housing	pp		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	30mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(30mm)
Maximum Operating Temperature	130°C		
Maximum Operating Pressure(psi)	87psi		

PTFE Hydrophilic			
Ref.No.	C0000281	C0000283	C0000567
Description	13mm PTFE Hydrophilic Welded Syringe Filter 0.22µm with Printing.	25mm PTFE Hydrophilic Welded Syringe Filter 0.22µm with Printing.	30mm PTFE Hydrophilic Welded Syringe Filter 0.22µm with Printing.
PTFE Hydrophilic			
Ref.No.	C0000282	C0000284	C0000568
Description	13mm PTFE Hydrophilic Welded Syringe Filter 0.45µm with Printing.	25mm PTFE Hydrophilic Welded Syringe Filter 0.45µm with Printing.	30mm PTFE Hydrophilic Welded Syringe Filter 0.45µm with Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## PTFE Hydrophobic



- High mechanical and tensile strength.
- Used for most organic solvents and mid-polar liquids.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.

### Features:

- This PTFE+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- Hydrophobic PTFE membrane has great temperature resistance.
- Suitable for Solvents/Gases/Acids/Bases.

### Applications:

- Degassing/Clarifying aqueous samples.
- Removal of protein precipitates.
- Strong acid solvent filtration and Alkali solvent filtration.
- Biofuel analysis.

## Typical data

Material	PTFE Hydrophobic		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	30mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(30mm)
Maximum Operating Temperature	130°C		
Maximum Operating Pressure(psi)	87psi		

PTFE Hydrophobic			
Ref.No.	C0000297	C0000299	C0000574
Description	13mm PTFE Hydrophobic Welded Syringe Filter 0.22µm with Printing.	25mm PTFE Hydrophobic Welded Syringe Filter 0.22µm with Printing.	30mm PTFE Hydrophobic Welded Syringe Filter 0.22µm with Printing.
PTFE Hydrophobic			
Ref.No.	C0000298	C0000300	C0000575
Description	13mm PTFE Hydrophobic Welded Syringe Filter 0.45µm with Printing.	25mm PTFE Hydrophobic Welded Syringe Filter 0.45µm with Printing.	30mm PTFE Hydrophobic Welded Syringe Filter 0.45µm with Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## Welded Syringe Filter

### PVDF Hydrophilic



- Low protein-binding for filtration of non-aggressive aqueous and mild organic solutions.
- Low UV absorbing extractables and low nonspecific protein binding.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.

#### Features:

- This PVDF +PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- Hydrophilic membrane with good solvent resistance.

#### Applications:

- Sterilizing/Clarifying filtration of biological solutions.
- Excellent chemical compatibility, even with aggressive acids and alcohols.
- Filtration of samples where high protein recovery is desired.

### Typical data

Material	PVDF Hydrophilic		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	30mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(30mm)
Maximum Operating Temperature	100°C		
Maximum Operating Pressure(psi)	87psi		

PVDF Hydrophilic			
Ref.No.	C0000289	C0000291	C0000571
Description	13mm PVDF Hydrophilic Welded Syringe Filter 0.22µm with Printing.	25mm PVDF Hydrophilic Welded Syringe Filter 0.22µm with Printing.	30mm PVDF Hydrophilic Welded Syringe Filter 0.22µm with Printing.
PVDF Hydrophilic			
Ref.No.	C0000290	C0000292	C0000396
Description	13mm PVDF Hydrophilic Welded Syringe Filter 0.45µm with Printing.	25mm PVDF Hydrophilic Welded Syringe Filter 0.45µm with Printing.	30mm PVDF Hydrophilic Welded Syringe Filter 0.45µm with Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

# PVDF Hydrophobic



- Filtration of water-soluble oligomers and polymers, e.g. protein solutions.
- Filtration of hydrophobic substances in different organic solvents.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.

**Features:**

- This PVDF + PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- This membrane features stability and hydrophobic interactions which is similar to PTFE.

**Applications:**

- Gas filtration, Vapor filtration, High-temperature filtration.
- Food industry and Medicine filtration.

## Typical data

Material	PVDF Hydrophobic		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	30mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(30mm)
Maximum Operating Temperature	100°C		
Maximum Operating Pressure(psi)	87psi		

PVDF Hydrophobic			
Ref.No.	C0000285	C0000287	C0000569
Description	13mm PVDF Hydrophobic Welded Syringe Filter 0.22µm with Printing.	25mm PVDF Hydrophobic Welded Syringe Filter 0.22µm with Printing.	30mm PVDF Hydrophobic Welded Syringe Filter 0.22µm with Printing.
PVDF Hydrophobic			
Ref.No.	C0000286	C0000288	C0000570
Description	13mm PVDF Hydrophobic Welded Syringe Filter 0.45µm with Printing.	25mm PVDF Hydrophobic Welded Syringe Filter 0.45µm with Printing.	30mm PVDF Hydrophobic Welded Syringe Filter 0.45µm with Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## Welded Syringe Filter

### CA



- CA membranes are used for tissue culture media filtration.
- Ideally suited for general filtration and biological/clinical analysis requiring maximum protein recovery.
- High temperature stability can be used with heated liquids.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 30mm.

#### Features:

- This CA+PP pre-filter provides two times greater throughput than standard filter without pre-filtration. Naturally hydrophilic membrane filter.
- Low protein binding: great for protein solutions, such as protein isolation pre-filtration.
- Suitable for ground water filtration. Uniform pore size structure.

#### Applications:

- Filtration of liquid samples and some organic solvents.
- Cell retention and particle retention.
- Light scattering measurement. Sterilization of liquids.

### Typical data

Material	CA		
	PP		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	30mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(30mm)
Maximum Operating Temperature	50°C		
Maximum Operating Pressure(psi)	87psi		

CA			
Ref.No.	C0000760	C0000301	C0000576
Description	13mm CA Welded Syringe Filter 0.22µm with Printing.	25mm CA Welded Syringe Filter 0.22µm with Printing.	30mm CA Welded Syringe Filter 0.22µm with Printing.
CA			
Ref.No.	C0000761	C0000302	C0000577
Description	13mm CA Welded Syringe Filter 0.45µm with Printing.	25mm CA Welded Syringe Filter 0.45µm with Printing.	30mm CA Welded Syringe Filter 0.45µm with Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

# PES



- High flow rates(liquids), low protein binding, low concentrations of extractable substances.
- Low-affinity for proteins and extractable with substantially faster flow rates than PVDF; suitable for pre-filtration and filtration of buffers and culture media.
- Two types in pore size:0.22µm and 0.45µm.
- Three types in filter size:13mm, 25mm and 30mm.

**Features:**

- This PES+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- Faster flow rate than PVDF.
- Excellent thermal resistance and chemical resistance.

**Applications:**

- PES is certified for ion chromatography; tissue culture media; filtration of proteins and nucleic acids.
- Suitable for filtration of aqueous solution with high throughput.

## Typical data

Material	PES		
	PP		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	30mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(30mm)
Maximum Operating Temperature	90°C		
Maximum Operating Pressure(psi)	87psi		

PES			
Ref.No.	C0000293	C0000295	C0000572
Description	13mm PES Welded Syringe Filter 0.22um with Printing.	25mm PES Welded Syringe Filter 0.22um with Printing.	30mm PES Welded Syringe Filter 0.22um with Printing.
PES			
Ref.No.	C0000294	C0000296	C0000573
Description	13mm PES Welded Syringe Filter 0.45um with Printing.	25mm PES Welded Syringe Filter 0.45um with Printing.	30mm PES Welded Syringe Filter 0.45um with Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## Welded Syringe Filter

### RC



- The best option for reliable and leachable free sterilisation of liquids.
- The very low non-specific binding characteristics of this membrane makes it a perfect choice for biomolecule solutions and other dissolved substances.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm.

#### Features:

- This RC+PP pre-filter provides two times greater throughput than standard filter without pre-filtration.
- Outperforming chemical compatibility choose for biomolecule solutions and other dissolved substances.

#### Applications:

- Industrial Chromatography.
- Filtration of aqueous solutions as well as organic solvents and chemicals.

### Typical data

Material	RC	
Material of housing	PP	
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>
Pore size(µm)	0.22/0.45	
Process volume(ml)	<10ml(13mm)	<100ml(25mm)
Maximum Operating Temperature	100°C	
Maximum Operating Pressure(psi)	87psi	

RC		
Ref.No.	C0001179	C0001181
Description	13mm RC Welded Syringe Filter 0.22µm.	25mm RC Welded Syringe Filter 0.22µm.
RC		
Ref.No.	C0001180	C0001182
Description	13mm RC Welded Syringe Filter 0.45µm.	25mm RC Welded Syringe Filter 0.45µm.
Package	100pcs/pk	100pcs/pk



## 8. ECONOMY SYRINGE FILTER

- Nylon / 67
- PTFE / 68-69
- PVDF / 70-71
- PES / 72
- MCE / 73
- CA / 73

# Economy Syringe Filter

## Economy Syringe Filter



- In order to meet different customers' requests, Labfil® supplies the syringe filters with outer ring as well.
- It's available in many different pore sizes and with several hydrophilic and hydrophobic membrane materials.
- More Economic.
- Reliable removal of microorganisms and particles from liquids for HPLC sample preparation.
- High mechanical and tensile strength.

## HOW TO CHOOSE FILTER SIZE

 <b>0-10ml</b> Sample Volume Use <b>13mm</b> Syringe Filter	 <b>10-100ml</b> Sample Volume Use <b>25mm</b> Syringe Filter	 <b>10-150ml</b> Sample Volume Use <b>33mm</b> Syringe Filter	 <p>Female Luer Lock Inlet</p>  <p>Male Luer Slip Outlet</p>
--	---	---	---

## MEMBRANE FILTER SELECTION

Material	Properties	Applications
<b>Nylon</b>	Good chemical compatibility and very low extractables	General filtration sterilization, HPLC sample preparation
<b>PES</b>	High flow rate with good throughput, low protein binding, can be used in high temperature liquids, in inorganic extractable ions.	Ion chromatography certified, tissue culture filtered, and can filter proteins and nucleic acids.
<b>PTFE</b>	Compatible with strong acids and aggressive solvents	Gas, Air, and Solvent filtration
<b>MCE</b>	High flow rate and high throughput. High-protein binding. Excellent biocompatibility.	Used for clarification of aqueous solutions and general laboratory filtration.
<b>PVDF</b>	Good flow rate characteristics. Ideal for chromatography applications	HPLC sample preparation and General filtration
<b>CA</b>	Extra low non-specific binding. High recovery.	Used for aqueous samples containing proteins, or similar large organic molecules biomolecule solution.

# Nylon



- High mechanical and tensile strength.
- Universal application for analytical procedures.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 33mm.

**Features:**

- One of the most commonly used membranes.
- Broad compatibility with aqueous and organic solvents, with stable hydrophilicity, not suitable for highly acidic samples.

**Applications:**

- Used for most organic solvents mixtures and mid-polar liquids.
- Chemical filtration and Beverage filtration.
- Note: Nylon binds protein, do not use when high protein recovery is desired.

## Typical data

Material	Nylon		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	33mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(33mm)
Maximum Operating Temperature	100°C		
Maximum Operating Pressure(psi)	87psi		

Nylon			
Ref.No.	C0000638	C0000640	C0000662
Description	13mm Nylon Syringe Filter 0.22µm with Outer Ring and Printing.	25mm Nylon Syringe Filter 0.22µm with Outer Ring and Printing.	33mm Nylon Syringe Filter 0.22µm with Outer Ring and Printing.
Nylon			
Ref.No.	C0000639	C0000641	C0000663
Description	13mm Nylon Syringe Filter 0.45µm with Outer Ring and Printing.	25mm Nylon Syringe Filter 0.45µm with Outer Ring and Printing.	33mm Nylon Syringe Filter 0.45µm with Outer Ring and Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## PTFE Hydrophobic



- Hydrophobic PTFE syringe filters have broad chemical compatibility and high pH resistance.
- Versatile filters for use with aggressive organic solvent-based solutions and are especially ideal for HPLC sample preparation.
- Two types in pore size: 0.22 $\mu$ m and 0.45 $\mu$ m.
- Three types in filter size: 13mm, 25mm and 33mm .

### Features:

- Hydrophobic PTFE membrane has great temperature resistance.
- Suitable for Solvents/Gases/Acids/Bases.
- Excellent chemical compatibility for filtering harsh chemicals that destroy other membrane materials and ideal for aerosol sampling.

### Applications:

- Degassing/Clarifying aqueous samples.
- Removal of protein precipitates, Biofuel analysis.
- Strong acid solvent filtration and Alkali solvent filtration.

## Typical data

Material	PTFE Hydrophobic		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	33mm/5.2cm <sup>2</sup>
Pore size( $\mu$ m)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(33mm)
Maximum Operating Temperature	130°C		
Maximum Operating Pressure(psi)	87psi		

PTFE Hydrophobic			
Ref.No.	C0000646	C0000648	C0000667
Description	13mm PTFE Hydrophobic Syringe Filter 0.22um with Outer Ring and Printing.	25mm PTFE Hydrophobic Syringe Filter 0.22um with Outer Ring and Printing.	33mm PTFE Hydrophobic Syringe Filter 0.22um with Outer Ring and Printing.
PTFE Hydrophobic			
Ref.No.	C0000647	C0000649	C0000666
Description	13mm PTFE Hydrophobic Syringe Filter 0.45um with Outer Ring and Printing.	25mm PTFE Hydrophobic Syringe Filter 0.45um with Outer Ring and Printing.	33mm PTFE Hydrophobic Syringe Filter 0.45um with Outer Ring and Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## PTFE Hydrophilic



- Hydrophilic materials are obtained through process improvement.
- Hydrophilic material has a great affinity for water and it's easily wetted by water because of the surface with water molecules to form intermolecular focus.
- High mechanical and tensile strength.
- Used for most organic solvents and mid-polar liquids.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 33mm.

**Features:**

- Broad chemical compatibility choose for filtering aqueous and organic solutions low protein binding.
- Low IC extractables.

**Applications:**

- Industrial Chromatography.
- Filtration of aqueous solutions as well as organic solvents and chemicals.

### Typical data

Material	PTFE Hydrophilic		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	33mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(33mm)
Maximum Operating Temperature	130°C		
Maximum Operating Pressure(psi)	87psi		

PTFE Hydrophilic			
Ref.No.	C0000642	C0000644	C0000664
Description	13mm PTFE Hydrophilic Syringe Filter 0.22µm with Outer Ring and Printing.	25mm PTFE Hydrophilic Syringe Filter 0.22µm with Outer Ring and Printing.	33mm PTFE Hydrophilic Syringe Filter 0.22µm with Outer Ring and Printing.
PTFE Hydrophilic			
Ref.No.	C0000643	C0000645	C0000665
Description	13mm PTFE Hydrophilic Syringe Filter 0.45µm with Outer Ring and Printing.	25mm PTFE Hydrophilic Syringe Filter 0.45µm with Outer Ring and Printing.	33mm PTFE Hydrophilic Syringe Filter 0.45µm with Outer Ring and Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## Economy Syringe Filter

### PVDF Hydrophobic



- Filtration of water-soluble oligomers and polymers, e.g. protein solutions.
- Filtration of hydrophobic substances in different organic solvents.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 33mm.

#### Features:

- This membrane features stability and hydrophobic interactions which is similar to PTFE.
- Naturally hydrophobic membrane provides excellent flow rates and high loading.
- Exceptional temperature stability provides extended sampling range over other membranes.

#### Applications:

- Gas filtration, Vapor filtration, High-temperature filtration.
- Food industry and Medicine filtration.

### Typical data

Material	PVDF Hydrophobic		
Material of housing	pp		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	33mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(33mm)
Maximum Operating Temperature	100°C		
Maximum Operating Pressure(psi)	87psi		

PVDF Hydrophobic			
Ref.No.	C0000654	C0000656	C0000670
Description	13mm PVDF Hydrophobic Syringe Filter 0.22µm with Outer Ring and Printing.	25mm PVDF Hydrophobic Syringe Filter 0.22µm with Outer Ring and Printing.	33mm PVDF Hydrophobic Syringe Filter 0.22µm with Outer Ring and Printing.
PVDF Hydrophobic			
Ref.No.	C0000655	C0000657	C0000671
Description	13mm PVDF Hydrophobic Syringe Filter 0.45µm with Outer Ring and Printing.	25mm PVDF Hydrophobic Syringe Filter 0.45µm with Outer Ring and Printing.	33mm PVDF Hydrophobic Syringe Filter 0.45µm with Outer Ring and Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## PVDF Hydrophilic



- Hydrophilic materials are obtained through process improvement.
- Hydrophilic material has a great affinity for water and it's easily wetted by water because of the surface with water molecules to form intermolecular focus.
- Low protein-binding for filtration of non-aggressive aqueous and mild organic solutions.
- Low UV absorbing extractables and low nonspecific protein binding.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 33mm.

### Features:

- Hydrophilic membrane with good solvent resistance.
- It has superior performance to prevent leak of sample solvent and can promise membrane area being used in a large filtration area.

### Applications:

- Sterilizing/Clarifying filtration of biological solutions.
- Excellent chemical compatibility, even with aggressive acids and alcohols.
- Filtration of samples where high protein recovery is desired.

## Typical data

Material	PVDF Hydrophilic		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	33mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(33mm)
Maximum Operating Temperature	100°C		
Maximum Operating Pressure(psi)	87psi		

PVDF Hydrophilic			
Ref.No.	C0000650	C0000652	C0000668
Description	13mm PVDF Hydrophilic Syringe Filter 0.22µm with Outer Ring and Printing.	25mm PVDF Hydrophilic Syringe Filter 0.22µm with Outer Ring and Printing.	33mm PVDF Hydrophilic Syringe Filter 0.22µm with Outer Ring and Printing.
PVDF Hydrophilic			
Ref.No.	C0000651	C0000653	C0000669
Description	13mm PVDF Hydrophilic Syringe Filter 0.45µm with Outer Ring and Printing.	25mm PVDF Hydrophilic Syringe Filter 0.45µm with Outer Ring and Printing.	33mm PVDF Hydrophilic Syringe Filter 0.45µm with Outer Ring and Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

## Economy Syringe Filter

### PES



- High mechanical and tensile strength.
- Used for most organic solvents and mid-polar liquids.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm and 33mm.

#### Features:

- Excellent thermal resistance and chemical resistance.
- Having high flow rates thanks to their symmetric structure.
- A low protein adsorption, is recommended for filtration of protein filtration as well as aqueous solutions filtration.
- The low level extractables make them suitable for environmental analysis.

#### Applications:

- PES is certified by ion chromatography; tissue culture media; filtration of proteins and nucleic acids.
- Suitable for filtration of aqueous solution with high throughput.

### Typical data

Material	PES		
Material of housing	pp		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	33mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(33mm)
Maximum Operating Temperature	90°C		
Maximum Operating Pressure(psi)	87psi		

PES			
Ref.No.	C0000658	C0000660	C0000672
Description	13mm PES Syringe Filter 0.22µm with Outer Ring and Printing.	25mm PES Syringe Filter 0.22µm with Outer Ring and Printing.	33mm PES Syringe Filter 0.22µm with Outer Ring and Printing.
PES			
Ref.No.	C0000659	C0000661	C0000673
Description	13mm PES Syringe Filter 0.45µm with Outer Ring and Printing.	25mm PES Syringe Filter 0.45µm with Outer Ring and Printing.	33mm PES Syringe Filter 0.45µm with Outer Ring and Printing.
Package	100pcs/pk	100pcs/pk	100pcs/pk

# MCE/CA



- Biologically inert mixtures of cellulose acetate and cellulose nitrate.
- Membranes in analytical and research applications.
- Two types in pore size: 0.22µm and 0.45µm.
- Three types in filter size: 13mm, 25mm.

**Features:**

- Ideal for capturing and culturing microorganisms in the Water and wastewater industry.
- Used to determine particulate contamination of lubricating oil and hydraulic fluid in patch test kits.
- Compatible with gamma irradiation.

**Applications:**

- Appropriate for bacterial culturing, including E. coli culturing.
- Biologically inert with good thermal stability.
- Uniform microporous structure results in high flow rates when used for filtering.

## Typical data

Material	MCE/CA		
Material of housing	PP		
Effective filtration area(cm <sup>2</sup> )	13mm/1.13cm <sup>2</sup>	25mm/4.15cm <sup>2</sup>	33mm/5.2cm <sup>2</sup>
Pore size(µm)	0.22/0.45		
Process volume(ml)	<10ml(13mm)	<100ml(25mm)	<150ml(33mm)
Maximum Operating Temperature	50°C		
Maximum Operating Pressure(psi)	87psi		

MCE				
Ref.No.	C0001239	C0001240	C0001241	C0001242
Description	13mm MCE Syringe Filter 0.22µm with Outer Ring and Printing.	13mm MCE Syringe Filter 0.45µm with Outer Ring and Printing.	25mm MCE Syringe Filter 0.22µm with Outer Ring and Printing.	25mm MCE Syringe Filter 0.45µm with Outer Ring and Printing.
Package	100pcs/pk			

CA				
Ref.No.	C0000780	C0000781	C0000782	C0000783
Description	13mm CA Syringe Filter 0.22µm with Outer Ring and Printing.	13mm CA Syringe Filter 0.45µm with Outer Ring and Printing.	25mm CA Syringe Filter 0.22µm with Outer Ring and Printing.	25mm CA Syringe Filter 0.45µm with Outer Ring and Printing.
Package	100pcs/pk			



## 9. STERILE SYRINGE FILTER

### STERILE WELDED SYRINGE FILTER

- Nylon/ 75
- PES/ 75
- PTFE/ 77
- PVDF/ 77

### STERILE ECONOMY SYRINGE FILTER

- Nylon/ 78
- PES/ 78
- PTFE/ 79
- PVDF/ 80

## Sterile Welded Syringe Filter



### Nylon

- 100% integrity tested.
- Individually packaged.
- Ideal for sterile filtration.
- Low extractables, high protein binding; recommended for alcohols and weak solvents.

### PES

- For medical use, sterile filtering protein solution, tissue culture media, additives.

## Nylon

Nylon			
Ref.No.	C0000484	C0000486	C0000510
Description	Sterile 13mm Nylon Welded Syringe Filter 0.22um with Printing.	Sterile 25mm Nylon Welded Syringe Filter 0.22um with Printing.	Sterile 30mm Nylon Welded Syringe Filter 0.22um with Printing.
Nylon			
Ref.No.	C0000485	C0000487	C0000511
Description	Sterile 13mm Nylon Welded Syringe Filter 0.45um with Printing.	Sterile 25mm Nylon Welded Syringe Filter 0.45um with Printing.	Sterile 30mm Nylon Welded Syringe Filter 0.45um with Printing.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## PES

PES			
Ref.No.	C0000500	C0000502	C0000518
Description	Sterile 13mm PES Welded Syringe Filter 0.22um with Printing.	Sterile 25mm PES Welded Syringe Filter 0.22um with Printing.	Sterile 30mm PES Welded Syringe Filter 0.22um with Printing.
PES			
Ref.No.	C0000501	C0000503	C0000519
Description	Sterile 13mm PES Welded Syringe Filter 0.45um with Printing.	Sterile 25mm PES Welded Syringe Filter 0.45um with Printing.	Sterile 30mm PES Welded Syringe Filter 0.45um with Printing.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## Sterile Syringe Filter

### PTFE



- 100% integrity tested.
- Individually packaged.
- Ideal for sterile filtration.
- For degassing/clarifying aqueous and solvent samples.

### PTFE Hydrophilic

PTFE Hydrophilic			
Ref.No.	C0000488	C0000490	C0000512
Description	Sterile 13mm PTFE Hydrophilic Welded Syringe Filter 0.22um with Printing.	Sterile 25mm PTFE Hydrophilic Welded Syringe Filter 0.22um with Printing.	Sterile 30mm PTFE Hydrophilic Welded Syringe Filter 0.22um with Printing.
PTFE Hydrophilic			
Ref.No.	C0000489	C0000491	C0000513
Description	Sterile 13mm PTFE Hydrophilic Welded Syringe Filter 0.45um with Printing.	Sterile 25mm PTFE Hydrophilic Welded Syringe Filter 0.45um with Printing.	Sterile 30mm PTFE Hydrophilic Welded Syringe Filter 0.45um with Printing.
Package	100pcs/pk	50pcs/pk	50pcs/pk

### PTFE Hydrophobic

PTFE Hydrophobic			
Ref.No.	C0000504	C0000506	C0000520
Description	Sterile 13mm PTFE Hydrophobic Welded Syringe Filter 0.22um with Printing.	Sterile 25mm PTFE Hydrophobic Welded Syringe Filter 0.22um with Printing.	Sterile 30mm PTFE Hydrophobic Welded Syringe Filter 0.22um with Printing.
PTFE Hydrophobic			
Ref.No.	C0000505	C0000507	C0000521
Description	Sterile 13mm PTFE Hydrophobic Welded Syringe Filter 0.45um with Printing.	Sterile 25mm PTFE Hydrophobic Welded Syringe Filter 0.45um with Printing.	Sterile 30mm PTFE Hydrophobic Welded Syringe Filter 0.45um with Printing.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## PVDF



- 100% integrity tested.
- Individually packaged.
- For sterilization/clarification of water, buffers, and salt solutions.

## PVDF Hydrophilic

PVDF Hydrophilic			
Ref.No.	C0000496	C0000498	C0000516
Description	Sterile 13mm PVDF Hydrophilic Welded Syringe Filter 0.22um with Printing.	Sterile 25mm PVDF Hydrophilic Welded Syringe Filter 0.22um with Printing.	Sterile 30mm PVDF Hydrophilic Welded Syringe Filter 0.22um with Printing.
PVDF Hydrophilic			
Ref.No.	C0000497	C0000499	C0000517
Description	Sterile 13mm PVDF Hydrophilic Welded Syringe Filter 0.45um with Printing.	Sterile 25mm PVDF Hydrophilic Welded Syringe Filter 0.45um with Printing.	Sterile 30mm PVDF Hydrophilic Welded Syringe Filter 0.45um with Printing.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## PVDF Hydrophobic

PVDF Hydrophobic			
Ref.No.	C0000492	C0000494	C0000514
Description	Sterile 13mm PVDF Hydrophobic Welded Syringe Filter 0.22um with Printing.	Sterile 25mm PVDF Hydrophobic Welded Syringe Filter 0.22um with Printing.	Sterile 30mm PVDF Hydrophobic Welded Syringe Filter 0.22um with Printing.
PVDF Hydrophobic			
Ref.No.	C0000493	C0000495	C0000515
Description	Sterile 13mm PVDF Hydrophobic Welded Syringe Filter 0.45um with Printing.	Sterile 25mm PVDF Hydrophobic Welded Syringe Filter 0.45um with Printing.	Sterile 30mm PVDF Hydrophobic Welded Syringe Filter 0.45um with Printing.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## Sterile Syringe Filter

## Sterile Economy Syringe Filter



## Nylon

- 100% integrity tested.
- Individually packaged.
- Ideal for sterile filtration.
- Low extractables; high protein binding; recommended for alcohols and weak solvents.

## PES

- For medical use, sterile filtering protein solution, tissue culture media, additives.

## Nylon

Nylon			
Ref.No.	C0000524	C0000526	C0000548
Description	Sterile 13mm Nylon Syringe Filter 0.22um with Outer Ring.	Sterile 25mm Nylon Syringe Filter 0.22um with Outer Ring.	Sterile 33mm Nylon Syringe Filter 0.22um with Outer Ring.
Nylon			
Ref.No.	C0000525	C0000527	C0000549
Description	Sterile 13mm Nylon Syringe Filter 0.45um with Outer Ring.	Sterile 25mm Nylon Syringe Filter 0.45um with Outer Ring.	Sterile 33mm Nylon Syringe Filter 0.45um with Outer Ring.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## PES

PES			
Ref.No.	C0000544	C0000546	C0000558
Description	Sterile 13mm PES Syringe Filter 0.22um with Outer Ring.	Sterile 25mm PES Syringe Filter 0.22um with Outer Ring.	Sterile 33mm PES Syringe Filter 0.22um with Outer Ring.
PES			
Ref.No.	C0000545	C0000547	C0000559
Description	Sterile 13mm PES Syringe Filter 0.45um with Outer Ring.	Sterile 25mm PES Syringe Filter 0.45um with Outer Ring.	Sterile 33mm PES Syringe Filter 0.45um with Outer Ring.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## PTFE



- 100% integrity tested.
- Individually packaged.
- Ideal for sterile filtration.
- For degassing/clarifying aqueous and solvent samples.

### PTFE Hydrophilic

PTFE Hydrophilic			
Ref.No.	C0000528	C0000530	C0000550
Description	Sterile 13mm PTFE Hydrophilic Syringe Filter 0.22um with Outer Ring.	Sterile 25mm PTFE Hydrophilic Syringe Filter 0.22um with Outer Ring.	Sterile 33mm PTFE Hydrophilic Syringe Filter 0.22um with Outer Ring.
PTFE Hydrophilic			
Ref.No.	C0000529	C0000531	C0000551
Description	Sterile 13mm PTFE Hydrophilic Syringe Filter 0.45um with Outer Ring.	Sterile 25mm PTFE Hydrophilic Syringe Filter 0.45um with Outer Ring.	Sterile 33mm PTFE Hydrophilic Syringe Filter 0.45um with Outer Ring.
Package	100pcs/pk	50pcs/pk	50pcs/pk

### PTFE Hydrophobic

PTFE Hydrophobic			
Ref.No.	C0000532	C0000534	C0000553
Description	Sterile 13mm PTFE Hydrophobic Syringe Filter 0.22um with Outer Ring.	Sterile 25mm PTFE Hydrophobic Syringe Filter 0.22um with Outer Ring.	Sterile 33mm PTFE Hydrophobic Syringe Filter 0.22um with Outer Ring.
PTFE Hydrophobic			
Ref.No.	C0000533	C0000535	C0000552
Description	Sterile 13mm PTFE Hydrophobic Syringe Filter 0.45um with Outer Ring.	Sterile 25mm PTFE Hydrophobic Syringe Filter 0.45um with Outer Ring.	Sterile 33mm PTFE Hydrophobic Syringe Filter 0.45um with Outer Ring.
Package	100pcs/pk	50pcs/pk	50pcs/pk

## Sterile Syringe Filter

### PVDF



- 100% integrity tested.
- Individually packaged.
- For sterilization/clarification of water, buffers, and salt solutions.

### PVDF Hydrophilic

PVDF Hydrophilic			
Ref.No.	C0000536	C0000538	C0000554
Description	Sterile 13mm PVDF Hydrophilic Syringe Filter 0.22um with Outer Ring.	Sterile 25mm PVDF Hydrophilic Syringe Filter 0.22um with Outer Ring.	Sterile 33mm PVDF Hydrophilic Syringe Filter 0.22um with Outer Ring.
PVDF Hydrophilic			
Ref.No.	C0000537	C0000539	C0000555
Description	Sterile 13mm PVDF Hydrophilic Syringe Filter 0.45um with Outer Ring.	Sterile 25mm PVDF Hydrophilic Syringe Filter 0.45um with Outer Ring.	Sterile 33mm PVDF Hydrophilic Syringe Filter 0.45um with Outer Ring.
Package	100pcs/pk	50pcs/pk	50pcs/pk

### PVDF Hydrophobic

PVDF Hydrophobic			
Ref.No.	C0000540	C0000542	C0000556
Description	Sterile 13mm PVDF Hydrophobic Syringe Filter 0.22um with Outer Ring.	Sterile 25mm PVDF Hydrophobic Syringe Filter 0.22um with Outer Ring.	Sterile 33mm PVDF Hydrophobic Syringe Filter 0.22um with Outer Ring.
PVDF Hydrophobic			
Ref.No.	C0000541	C0000543	C0000557
Description	Sterile 13mm PVDF Hydrophobic Syringe Filter 0.45um with Outer Ring.	Sterile 25mm PVDF Hydrophobic Syringe Filter 0.45um with Outer Ring.	Sterile 33mm PVDF Hydrophobic Syringe Filter 0.45um with Outer Ring.
Package	100pcs/pk	50pcs/pk	50pcs/pk

# Laboratory Syringe



- Made of high quality PP material with good chemical resistance.
- All batches of this product are produced in an ISO 9001 compliant clean environment.
- Additionally, all syringes are designed to match with ALWSCI syringe filters, and they can also be used with ALWSCI vials.

## Syringe Filter Usage Guide

### Step 1: Transfer Sample

Draw the liquid sample into the syringe, being cautious not to exceed the syringe's maximum volume to prevent overflow or excessive pressure buildup.

### Step 2: Filter Sample

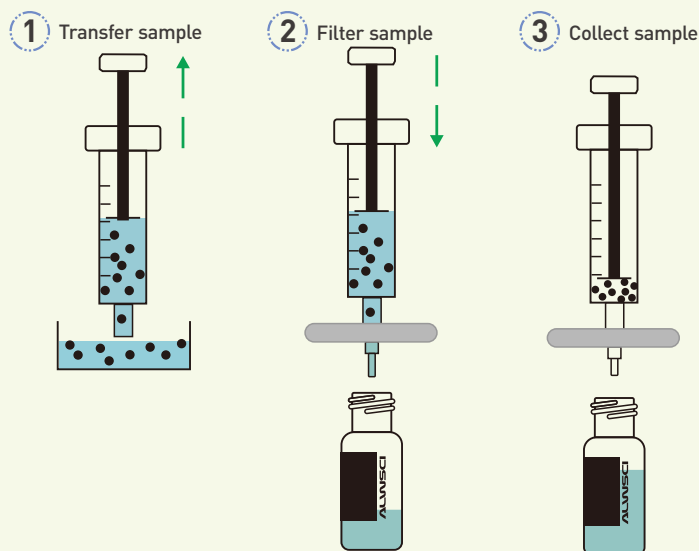
Attach the syringe filter to the tip of the syringe. Gently and steadily depress the plunger to pass the sample through the syringe filter. Apply uniform pressure to avoid filter damage or sample ejection.

### Step 3: Collect Sample

As the sample is filtered, the filtrate will be collected in a receptacle positioned below the filter unit. Ensure the collection vessel is of adequate size to capture the entire filtered volume.

**\*Key Considerations:**

Verify the compatibility of the filter material with the sample solution prior to filtration. Avoid introducing air into the filter to prevent foaming of the sample or damage to the filter. Once filtration is complete, dispose of the used syringe filter and syringe according to laboratory safety and sanitation protocols.



Laboratory Syringe				
Ref.No.	C0001749	C0001750	C0001751	C0001752
Description	2mL Disposable HPLC Laboratory syringe.	5mL Disposable HPLC Laboratory syringe.	10mL Disposable HPLC Laboratory syringe.	20mL Disposable HPLC Laboratory syringe.
Package	100pcs/pk			

# Membrane Filter

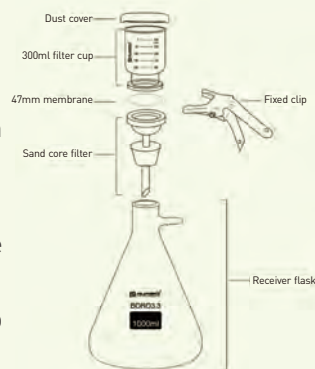
## Glass Solvent Filter



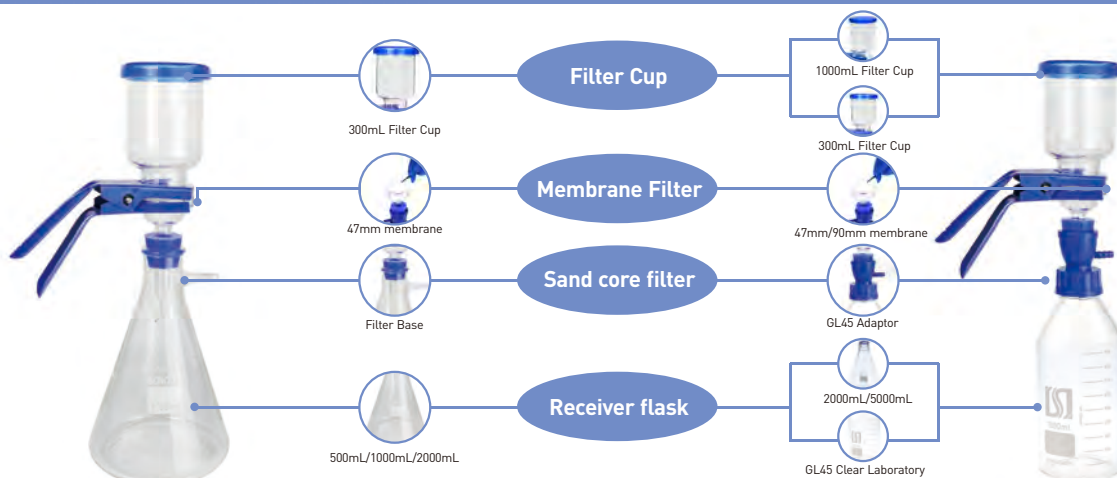
- Glass solvent filter is mainly used in high-performance liquid chromatography flow phase filtration, particulate material analysis and microbial pollution detection, and it is one of the standing equipment in the chemical laboratories.
- Using the glass solvent filter in the process of chromatographic analysis can effectively filter out the impurities that affect the life and detection accuracy of the chromatography column, and play the role of protecting the chromatography column and the chromatograph.
- The plug-type design is adopted to ensure the sealing and also effectively avoid the difficult separation problem of the filter head and the bottle mouth after vacuuming.

### Key Features:

- It is widely used almost able to meet all the filtration needs of the laboratory.
- Large effective filtration area, save the cost of filter membrane use, and improve the filtration efficiency.
- Good pressure resistance, which can be used for high temperature and high pressure.
- The fixed clip is made of aluminum alloy treated by the anode process, and will not be damaged by corrosion.
- The bottle is made of high borosilicate glass tubing, which is smooth and transparent, no bubbles and wall thickness uniformity.



### Compare Features



Ref.No.	C0002058	C0002059	C0002164	C0002515
Description	500mL Glass solvent filter with ALWSCI Logo.	1000mL Glass solvent filter with ALWSCI Logo.	2000mL Glass solvent filter with ALWSCI Logo.	90mm Glass Solvent Filter with ALWSCI Logo Includes 1000mL/90mm Glass Filter Holder with 2000mL Receiver Flask and GL45 Adaptor.
Ref.No.	C0002112	C0002113	C0002171	C0002516
Description	500mL Glass Solvent Filter with Filtration Adaptor for GL45 Bottle with ALWSCI Logo.	1000mL Glass Solvent Filter with Filtration Adaptor for GL45 Bottle with ALWSCI Logo.	2000mL Glass Solvent Filter with Filtration Adaptor for GL45 Bottle with ALWSCI Logo.	90mm Glass Solvent Filter with ALWSCI Logo Includes 1000mL/90mm Glass Filter Holder with 5000mL Receiver Flask and GL45 Adaptor.
Package	1set/ctn			

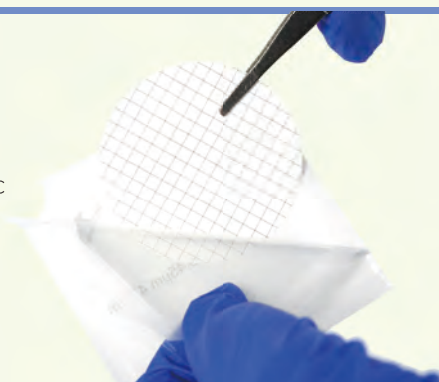
# Membrane Filter



- Membrane filters or "membranes" are polymer films with specific pore ratings.
- Membranes retain particles and microorganisms that exceed their pore ratings by acting as a physical barrier and capturing such particles on the surface of the membrane.
- Labfil® membranes are available in a variety of polymers, pore sizes, diameters, and surface types.
- Biologically inert mixtures of cellulose acetate and cellulose nitrate have made sterile MCE membrane filters one of the most widely used membranes in analytical and research applications.

## Features:

- Ideal for capturing and culturing microorganisms in the Water and wastewater industry.
- Used to determine particulate contamination of lubricating oil and hydraulic fluid in patch test kits.
- Available in pore sizes 0.22um and 0.45um, colored black, with a gridded surface.
- Compatible with gamma irradiation.



## > 47mm Sterile MCE Grid Membrane Filter

Sterile Membrane Filter			
	Ref.No.	C0001244	
Description	47mm Sterile MCE Grid Membrane White Membrane/Black 0.22um.	47mm Sterile MCE Grid Membrane White Membrane/Black 0.45um.	
Package	100pcs/pk		

## > Membrane Filter

Membrane Filter			
	Ref.No.	C0000303	C0000305
Description	47mm Nylon Membrane 0.22um.	47mm Nylon Membrane 0.45um.	47mm Nylon Membrane 0.22um.
Package	100pcs/pk		50pcs/pk

1 Hit Products

2 New Arrivals

3 Autosampler Vials & Closures

4 Headspace Vials & Closures

5 Sample Vials & Closures

6 Laboratory Tools

7 Welded Syringe Filter

8 Economy Syringe Filter

9 Sterile Syringe Filter

10 Laboratory Syringe

11 Membrane Filter

## Membrane Filter

### Membrane Filter

- Membrane filters or "membranes" are polymer films with specific pore ratings.
- Membranes retain particles and microorganisms that exceed their pore ratings by acting as a physical barrier and capturing such particles on the surface of the membrane.
- Labfil membranes are available in a variety of polymers, pore sizes, diameters, and surface types.

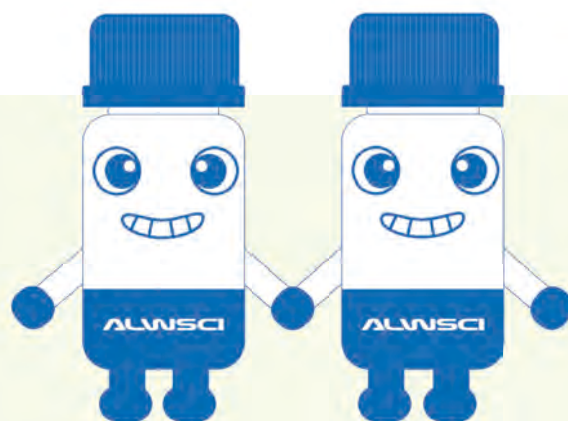
Image	Type	Dimension(mm)	Pore Size	Item No.	Packing
	CA	47mm	0.22µm	C0000875	100pcs/pk
			0.45µm	C0000876	
		90mm	0.22µm	C0000877	100pcs/pk
			0.45µm	C0000878	
	MCE	47mm	0.22µm	C0000311	100pcs/pk
			0.45µm	C0000313	
		90mm	0.22µm	C0000312	100pcs/pk
			0.45µm	C0000314	
	PES	47mm	0.22µm	C0000891	100pcs/pk
			0.45µm	C0000892	
		90mm	0.22µm	C0000893	100pcs/pk
			0.45µm	C0000894	
	Nylon	47mm	0.22µm	C0000303	100pcs/pk
			0.45µm	C0000305	
		90mm	0.22µm	C0000304	100pcs/pk
			0.45µm	C0000306	
	PVDF(Hydrophilic)	47mm	0.22µm	C0000909	100pcs/pk
			0.45µm	C0000563	
		90mm	0.22µm	C0000910	100pcs/pk
			0.45µm	C0000911	
	PVDF(Hydrophobic)	47mm	0.22µm	C0000916	100pcs/pk
			0.45µm	C0000917	
		90mm	0.22µm	C0000918	100pcs/pk
			0.45µm	C0000919	
	PTFE(Hydrophilic)	47mm	0.22µm	C0000424	100pcs/pk
			0.45µm	C0000425	
		90mm	0.22µm	C0000899	100pcs/pk
			0.45µm	C0000900	
	PTFE(Hydrophobic)	47mm	0.22µm	C0000307	100pcs/pk
			0.45µm	C0000309	
		90mm	0.22µm	C0000308	100pcs/pk
			0.45µm	C0000310	

# Chemical Compatibility

C=Compatibility		LC=Limited Compatibility		IC=Incompatibility		ND=No Data at present	
Chemical		Nylon	PTFE	PVDF	PES		
Acids	acetic acid 25%	C	C	C	C		
	hydrochloric acid 25%	IC	C	C	C		
	Sulfuric acid,25%	IC	C	C	C		
	Nitric acid,25%	IC	C	C	C		
	Phosphoric acid,25%	IC	C	ND	ND		
	Formic acid,25%	IC	C	ND	ND		
	trichloroacetic acid,10%	IC	C	ND	ND		
Alcohol	Methyl alcohol,98%	C	C	C	C		
	ethyl alcohol,70%	LC	C	C	C		
	Isopropyl alcohol	C	C	C	C		
	Butanol	C	C	C	C		
	benzyl alcohol	C	C	C	ND		
	glycerinum	C	C	C	C		
Acid amides	Triethanolamine	C	C	ND	ND		
	Aniline	ND	C	ND	ND		
	Pyridine	C	C	IC	IC		
	Acetonitrile	C	C	C	LC		
Lipid	Ethyl acetate	C	C	C	IC		
	N-butyl acetate	C	C	IC	IC		
	Propyl acetate	C	C	IC	IC		
	Cellosolve acetate	ND	C	ND	IC		
	Methyl Cellosolve	ND	C	ND	IC		
	Isopropyl myristate	C	C	ND	IC		
Ketone	Acetone	C	C	IC	IC		
	Cyclohexanone	C	C	IC	IC		
	Methyl ethyl ketone	C	C	LC	IC		
	Methyl-Isobutyl Ketone	ND	C	LC	IC		
Organic Peroxide	Dioxane	C	C	LC	IC		
	Tetrahydrofuran	C	C	LC	IC		
	Dimethyl sulfoxide	C	C	IC	IC		
	Isopropyl ether	ND	C	C	C		
Miscellaneous	Phenol solution,10%	ND	C	LC	IC		
	Formaldehyde Solution,30%	C	C	C	C		
	Hydrogen Peroxide	C	C	ND	ND		
	Silicone oil	ND	C	C	C		

# Selection Guide

Better Your Chromatography Consumables.



## ALWSCI Main Products:

- Analysis: Autosampler Vials & Closures.
- Storage: Sample Vials & Closures.

## Selection Guide:

- Proper septa selection is critical to prevent contamination and avoid damage to the needle and instrument.
- The right choice of septa depends on the application.
- For highly sensitive samples, we recommend PTFE-lined Silicone septa, because the PTFE layer has good chemical resistance.
- Besides, septa made of different materials have different safety temperature resistance.

### ► Septa Selection Guide

Materials	Safety Temperature
PTFE/Silicone	180°C
PTFE/Silicone/PTFE	200°C
Red Rubber/PTFE	-40°C to 110°C
Natural Rubber/TEF Butyl/PTFE	-40°C to 120°C
PE	-20°C to 80°C

### ► Cap Selection Guide

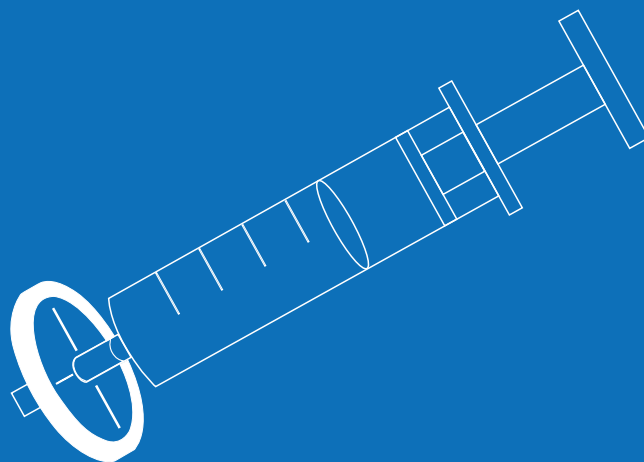
Materials	Safety Temperature
PP Cap	-20°C to 100°C
Aluminum Cap	-60°C to 300°C
Phenolic Cap	-20°C to 140°C
PC Cap	-50°C to 160°C

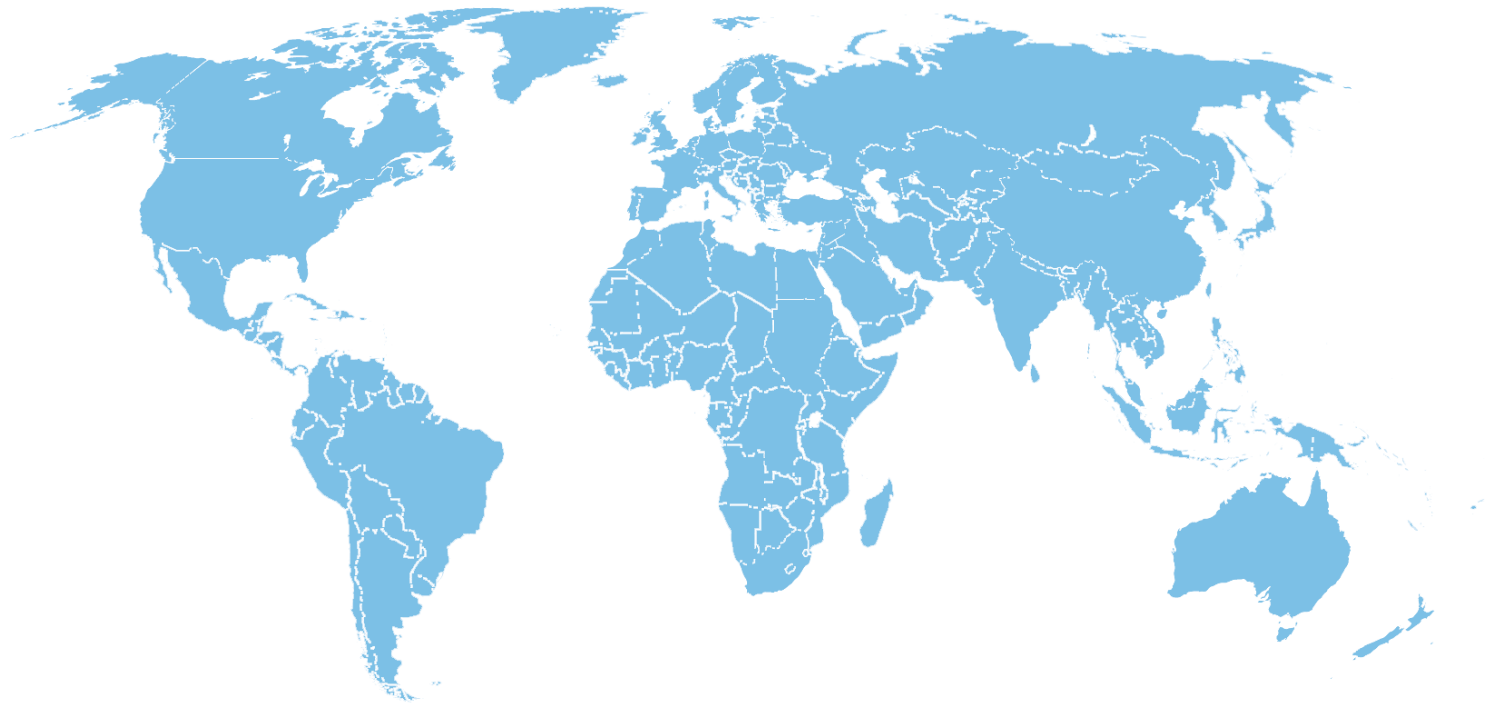
# Be Simple, Be Professional

## Chromatography Vials, Closures



## Syringe Filter





## ZHEJIANG ALWSCI TECHNOLOGIES CO.,LTD.

### Office Add.:

B410, No.525 Shixiang Rd, Gongshu District, Hangzhou 310011,  
Zhejiang P.R.China.

### Factory Add.:

Yuexing Technology Innovation Park, No.11 FanRong Rd, Binhai  
New District, Shaoxing 312366, Zhejiang P.R.China.



Fax.:+86-571-88012781

Tel.:+86-571-88837380

Mail:marketing@alwsci.com

Web:www.alwsci.com



All copyrights owned by ALWSCI, first edition printed 2024.