

Syringe Filters/Vials/Caps/Septa



- Syringe Filter Manufacturer
- Vials/Caps/Septa Manufacturer
- Lab Consumables Manufacturer
- Laboratory Instruments



2ml/4ml Vials



2ml Crimp-top Vials & Caps



Pre-slit PTFE/Non-slit Silicone Septa



4mm/13mm/25mm Syringe Filters



Sterile Syringe Filters



Vacuum Pump Filtration System



Membrane Filter Glass Microfiber Filter



Centrifuge Tubes

VISIT US

 www.finetech-filter.com.vn
www.finetech-filters.com

ABOUT US

Constantly researching and innovating...

Finetech Research and Innovation Corporation was established in 1999 and has been engaged in the gas and fluid filtration used in laboratories and the medical fields for many years. We concentrate on the researching, developing, and manufacturing of lab filters such as syringe filters, 50mm air/vent filters, pipette filters, gas analyzer filters, and customized filters.

In 2004, we were the first manufacturer of transducer protectors used in dialysis. In 2017, sales of transducer protectors had reached to over 30 million pieces/year. Our high quality and ISO 13485 certified transducer protectors has kept our customers satisfied for more than 14 years.

Manufactured in 2010, our syringe filter is designed to provide efficient filtration of aqueous and organic solutions. It can be used to remove particles from a sample prior to analysis by HPLC, for the filtration of gases, and for the removal of bacteria from a sample. Syringe filters are widely used in environmental, pharmaceutical, biotechnology, and agricultural testing laboratories.

In 2015, Finetech designed and manufactured caps, septa, and samples vials used in chromatography. We supply HPLC consumables to the global chromatography community in over 36 countries. We constantly innovate with releases of new lab consumables and medical devices every year. Some of the other products we manufacture are sterile syringe filter, membrane filters, centrifuge tube, glass microfiber filters, vacuum filtration system, and QuEChERS. To find out more, please visit our website "www.finetech-filters.com".

History

- 2018 Researched and developed QuEChERS
- 2017 Produced 15mL & 50mL centrifuge tubes (sterile & non-sterile)
- 2016 New product launched – sterile filtration cup
- 2015 Achieved ISO 9001. Received award of Conventional Industry Technology Development for Medical grade septa
- 2014 Started producing sterile syringe filters
- 2012 Produced the 1st 50mm air vent filters
- 2010 Produced the 1st syringe filters manufactured in a cleanroom
- 2008 Developed transducer protectors. 1st manufacturer in Asia
- 2005 Awarded the Medical Device award from Taiwan Government
- 1999 Finetech Research and Innovation Corporation established



Contents

A. HPLC/Air/Vent Filters.....	2	D. Centrifuge Tubes.....	11
B. Membrane Filters.....	7	E. Vials, Septa & Caps.....	12
C. Vacuum Filtration System.....	9	F. Accessories.....	19

A. HPLC/Air/Vent Filters

A1. Syringe Filters

A1-1 PureTech™ - Syringe Filters

- HPLC Class
- Integrity tested
- Multiple choices of membranes
- Medical grade polypropylene housing
- OEM accepted



4mm

- ▶ Housing material: PP
- ▶ Filtration area: 0.12cm²
- ▶ Process Volume: 1mL
- ▶ Hold-up Volume: <10μL
- ▶ Pressure Bar (PSI): 5.2 Bar (75)
- ▶ Highest Temp. : 45°C



13mm

- ▶ Housing Material: PP
- ▶ Filtration area: 0.65cm²
- ▶ Process Volume: 10mL
- ▶ Hold-up volume: <25μL
- ▶ Pressure Bar(PSI): 7Bar (100)
- ▶ Highest Temp. : 45°C



25mm

- ▶ Housing Material: PP
- ▶ Filtration area: 3.9cm²
- ▶ Process Volume: 100mL
- ▶ Hold-up volume: <100μL
- ▶ Pressure Bar(PSI): 5.2Bar (75)
- ▶ Highest Temp. : 45°C

❖ Ordering Information

① Membrane		② Diameter	③ Sterile	④ Pore size	⑤ Membrane characteristics
PVDF	CA	004=4mm	N(non-sterile)	020=0.20μm	I = hydrophilic O = hydrophobic
PTFE	PES	013=13mm		022=0.22μm	
Nylon	RC	030=25mm		045=0.45μm	
MCE	GF			100=1.0μm	
100pcs/pk					
Example: <u>PTFE</u> <u>013</u> <u>N</u> <u>045</u> <u>I</u> = 13mm, Hydrophilic PTFE, 0.45um ① ② ③ ④ ⑤					

A1-2 MeTech™ - Syringe Filters (Color Coding)

- HPLC Class
- Integrity tested
- Easier to distinguish different membranes
- Multiple choices of membranes
- Medical grade polypropylene housing
- OEM accepted



4mm

- ▶ Housing material: PP
- ▶ Filtration area: 0.06cm²
- ▶ Process Volume: 2mL
- ▶ Pore size: 0.22, 0.45, 1.0μm



13mm

- ▶ Housing material: PP
- ▶ Filtration area: 0.65cm²
- ▶ Process Volume: 10mL
- ▶ Hold-up volume: <25µL
- ▶ Pressure Bar (PSI): 7Bar(100)
- ▶ Highest Temp. : 45 °C



33mm

- ▶ Housing material: PP
- ▶ Filtration area: 3.9cm²
- ▶ Process Volume: 100mL
- ▶ Hold-up volume: <100µL
- ▶ Pressure Bar (PSI): 5.2Bar(75)
- ▶ Highest Temp. : 45 °C

❖ Ordering Information

① Membrane		② Diameter	③ Sterile	④ Pore size	⑤ Membrane characteristics
PVDF	CA	X04=4mm	N(non-sterile)	020=0.20µm	I = hydrophilic O = hydrophobic
PTFE	PES	017=13mm		022=0.22µm	
Nylon	RC	033=33mm		045=0.45µm	
MCE	GF			100=1.0µm	
				300=3.0µm	
				500=5.0µm	
100pcs/pk					
Example: PTFE 017 N 045 I = 13mm, Hydrophilic PTFE, 0.45um, Color Coding					
① ② ③ ④ ⑤					

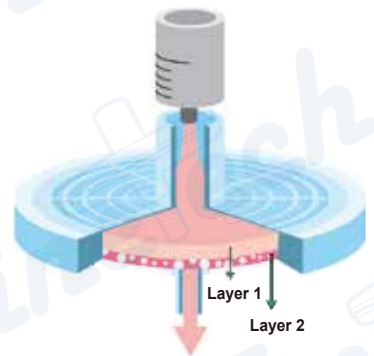
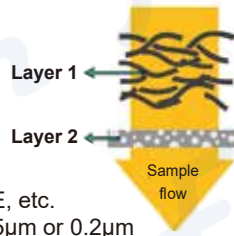
A1-3 DualTech™ - Syringe Filters



Layer 1
Glass prefilter(GF)
down to 1 µm



Layer 2
Membrane filter
Nylon, PVDF, PTFE, etc.
Filters down to 0.45µm or 0.2µm



❖ Ordering Information

① Membrane		② Diameter	③ Sterile	④ Pore size	⑤ Membrane characteristics
PVDF	P=PP G=GF	Puretech	N (Non-Sterile) S (EO/GAMMA)	022=0.22µm	I = hydrophilic O = hydrophobic
PTFE		013=13mm		045=0.45µm	
Nylon		030=25mm			
MCE		Metech			
CA			017=13mm		
PES			033=33mm		
PP					
RC					
GF					
100pcs/pk					
Example: PTFEG 030 N 022 O = 25mm, Hydrophobic PTFE+GF, 0.22um					
① ② ③ ④ ⑤					

A1-4 StarTech™ - Sterile Syringe Filters



13mm

- Housing material: Medical grade polypropylene
- Pore Size: 0.22µm, 0.45µm
- Outside diameter: 17mm
- Membrane diameter: 13mm
- High flow rate and throughput
- Low hold-up volume (less than 25µL)
- Low extractables
- Individual sterile blister pack



33mm

- Housing material: Medical grade polypropylene
- Pore Size: 0.22µm, 0.45µm
- Outside diameter: 33mm
- Membrane diameter: 25mm
- High flow rate and throughput
- Low hold-up volume (less than 100µL)
- Low extractables
- Individual sterile blister pack






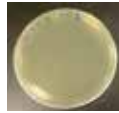

Ordering Information

① Membrane		② Diameter	③ Sterile	④ Pore size	⑤ Membrane characteristics	
PVDF PTFE Nylon MCE	CA PES RC GF	017=13mm 033=33mm	N (Non-Sterile) S (EO/GAMMA)	022=0.22µm 045=0.45µm	I = hydrophilic O = hydrophobic	
13mm: 100pcs/pk 33mm: 100pcs/pk						
Example: <u>PVDF</u> <u>033</u> <u>S</u> <u>022</u> <u>I</u> = 33mm, PVDF membrane, Sterile, 0.22µm						
		①	②	③	④	⑤

A1-5 Vacuum Driven Sterile Filter Cup



**Results:
no bacteria
growth**

Filter bacteria	Membrane	Finetech® Bacterial Retention		
		Exp.-1	Exp.-2	Exp.-3
B. diminuta Conc. : 2.6 x 10⁸ cfu/ml 	PES			
	PVDF			

Characteristics

- Available with PVDF, PES, MCE, CA or Nylon
- Two pore sizes of membranes: 0.22 and 0.45µm
- Filter Diameter of 47mm with the volume size of 500mL
- Light weight and heavy wall construction
- Designed with a wide and easy access bottle mouth for efficient and stable pouring





Product

- Model No. : ST-FC500
- Capacity: 500mL
- Filter Membrane: PVDF, PES
- Filter size: 47mm
- Filter pore size: 0.22, 0.45µm
- Filter area: 15.2cm²
- Residue: ≥3ml
- Package: 12pcs/box
- Disposable filter



A2. Air / Vent Filters

❖ Specifications

Part No.	▶Type1 (A2-1)	▶Type2 (A2-2)	▶Type3 (A2-3)	▶Type4 (A2-4)
Model No.	PTFE050N022O-PC	PTFE050N022O-PC	PTFE050N022O-PC	PTFE050N022O-PC
				
Biosafety	Meet the requirements of USP Class VI Biological Test for plastics			
Connection	Hydrophobic PTFE 50mm 0.22um air filter Inlet: 1/8"NPT	(Accepted ID7-13mm) Hydrophobic PTFE 50mm 0.22um air filter Inlet: Stepped Hose Barb Outlet: 1/8" NPT	(Accepted ID7-13mm) Hydrophobic PTFE 50mm 0.22um air filter Inlet: Stepped Hose Barb Outlet: Stepped Hose Barb	Hydrophobic PTFE 50mm 0.22um air filter Inlet: 1/2"NPT Outlet: Stepped Hose Barb
Filtration area	19.6cm ²			
Air flow rate	18-20 LPM@1kg/cm ²			
Housing size	65mm			
Housing material	Polycarbonate or Polypropylene			
Sterilization	EO or Autoclave			
Pore Size	0.22um, 0.45um, 1um or other pore size			

OEM Accepted

A3. Pipette Filters



- ▶ Diameter: 27mm
- ▶ Model: PTFE027N1000
- ▶ Membrane: PTFE
- ▶ Housing Material: PVC
- ▶ Flow direction: single directions
- ▶ Application: Pipette Protection
- ▶ Pore Size: 0.2μm

A4. Gas Analyser Filters



- ▶ Model: FT0220
- ▶ Filter: PTFE
- ▶ Material: PVC
- ▶ Flow direction: single directions
- ▶ Pore Size: 0.2μm
- ▶ Sterilization method: E.O sterilization
- ▶ Packing: 100pcs/pk

A5. Three Hole Delivery Cap



- ▶ Finetech Bottle Cap Kit includes ((GL-45 Cap (White PTFE Body)) and two Peek Plugs
- ▶ Cap material: Polypropylene
- ▶ Cap color: Blue
- ▶ Body material: PTFE
- ▶ Body color: white
- ▶ Two 1/8" holes and one 1/16" hole for tubing
- ▶ Peek Plug Material: Polypropylene

A6. Filter Holder



13mm

25mm

47mm

❖ Specifications

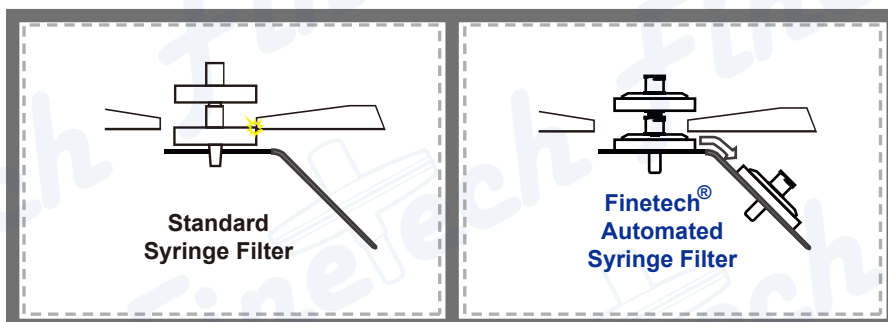
Model No.	Holder-13	Holder-25	Holder-47
Materials	polypropylene		
Filter size	13mm	25mm	47mm
Filtration area	1.3cm ²	3.9cm ²	13.8cm ²
Pressure Rating (max)	2 bar		
Connections	Inlet & Outlet= Luer slip		
Autoclaving	20 minutes at 121°C		

A7. Finetech Automated Certified Syringe Filters

- ◆ Ideal for HPLC and UPLC automated sample processing and sample clarification
- High flow rate : available with multilayer membranes
- High Throughput : two to four times the throughput of standard glass fiber prefilter devices.
- Superior HPLC column protection – Better retention efficiency helps extend column life
- Suitable for Automation devices – Designed to be fully compatible and reliable for use with the SOTAX and Zymark automated test systems.



Consistent Turret Advancement



B. Membrane Filters

B1 Membrane filters

FINETECH superior membrane disc filters provide consistent and reliable results. Optimized for HPLC media preparation, pharmaceuticals and cold sterilization, they are available in a variety of sizes and membranes.

Membrane sizes from disc to roll can be customized.



Ordering Information

① M	① Membrane	② Diameter	③ Sterile	④ Pore size	⑤ Membrane characteristics
Membrane Disc	PVDF PTFE Nylon MCE CA PES PP RC GF	013=13mm 025=25mm 047=47mm 090=90mm 142=142mm 293=293mm	N(non-sterile) S(EO)	020=0.22µm 022=0.22µm 045=0.45µm 100=1.0µm 300=3.0µm 500=5.0µm	I = hydrophilic O = hydrophobic

Example: M-PVDF 047 N 045 I = 47mm, PVDF membrane, 0.45µm

① ① ② ③ ④ ⑤

B2 Glass Fiber Filters

Micro-glass fiber filters offer high efficiency, submicron particle retention combined with high permeability and high dust holding capacity. Micro-glass filters are made of high-purity borosilicate glass microfibers that are biologically inert and resistant to most solvents and reagents with the exception of hydrofluoric acid and highly concentrated alkali solutions.

Binder-free grades are temperature resistant to about 500°C. Grade MG 550 HA can withstand temperatures to 550°C.

Micro-Glass Fibers without Binder

Model No.	Basic Weight (g/m ²)	Thickness (mm)	Particle Retention in Liquids(µm)	Pressure Drop* (mbar)
MGA	52	0.23	1.6	38
MGB	143	0.70	1.0	95
MGC	52	0.24	1.2	55
MGD	120	0.53	2.7	140
MGF	75	0.45	0.7	120
MGG	65	0.28	1.5	30
MG 550-HA	65	0.3	1.5	-



■ Binder-free micro-glass fiber filters

*A=10cm², flow velocity 400cm²/sec

B3 Glass Fiber Filter for "TCLP"

Ordering Information

Model No.	M-GF142N070M
Typical Applications	U.S. EPA Method 1311
Size	142mm
Filter Material	Borosilicate glass without binder
Thickness	0.45mm
Nominal Pore Size	0.7µm
Pressure Drop	120 bar
Filtration Speed(mis/min)	432µm (17mils)

Cross Reference

Finetech®	Whatman	E-D Scientific Specialities	Advantec
M-GF142N070M	GF/F	151	GF 75



B4 Glass Fiber Filter for "SS" or "TSS"

Ordering Information

Model No.	M-GHA047N150M
Size	47mm
Filter Material	Borosilicate glass without binder
Nominal Pore Size	1.5µm
Thickness	360~400µm
Water Flow Rate mL/min/cm ² at 0.3 bar water	250
Air Flow Rate mL/min/cm ² at 0.7 bar(70 kPa, 10psi)	60
Maximum Operating Temperature	Air-550°C
Typical Aerosol Retention	99.98%

Cross Reference

Finetech®	Whatman	E-D Scientific Specialities	PALL
M-GHA047N150M	934-AH	161	A/E



- Standard Method 2540 D Suspended Solids

B5 Glass Filter for "TSP"

Ordering Information

Model No.	M-GHA0810N150M
Size	8" x 10" (20 x 25cm)
Filter Material	Borosilicate glass without binder
Nominal Pore Size	1.5µm
Thickness	360~400µm
Water Flow Rate mL/min/cm ² at 0.3 bar water	250
Air Flow Rate mL/min/cm ² at 0.7 bar(70 kPa, 10psi)	60
Maximum Operating Temperature	Air-550°C
Typical Aerosol Retention	99.98%

Cross Reference

Finetech®	Whatman	PALL
M-GHA0810N150M	EPM 2000	A/E



B5-1

Each filter is covered with PET pad, protecting the filter during transportation.

B5-2

With printed numbers for easy tracking.

C. Vacuum Filtration System



C1 Finetech® Vacuum Pump



VS01

- High chemical resistance
- No air pollution, maintenance free
- Built-in thermal protection
- Quiet and low vibration
- Economical Choice



VS08

- High chemical resistance
- No air pollution, maintenance free
- Built-in thermal protection
- Low vibration, high horsepower
- High vacuum, high flow rate

❖ Ordering Information

Model No.	VS01		VS08	
	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Frequency	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Power(W)	70		560	
Vacuum(mmHg)	680		700	
Max Flow Rate(L/min)	22	18	110	90
Horse Power(HP)	0.1		0.75	
Noise Level(dBA)	58		61	
N.W.(kg)	4		11	
LxWxH(cm)	20x15x19		35x21x26	

C2 Finetech® Glass Fiber Filter

❖ Specifications

Grade	Application
MGC	For TSS or SS (Total suspended solids)
MGF	For TCLP (Toxicity Characteristic Leaching Procedure)142mm, 0.7µm
MG550 HA	For TSS or SS (Total suspended solids)

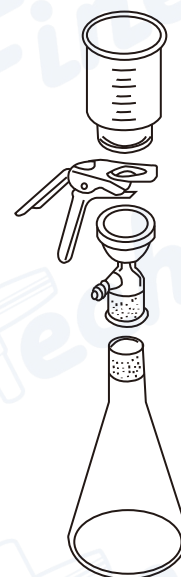
C3 Filtration Set

◆ C3-1 : 47mm Glass Filtration Set

- Quality imported glass material, uniform thickness, no bubbles
- Good sealing performance, high flow rate, standard ground glass joint
- Autoclavable

❖ Specifications

Model No.	Holder	Ground joint flask
2000-250	300mL	250mL
2000-500		500mL
2000-1000		1000mL
2000-2000		2000mL
2000-5000		5000mL
1Set/Pks, 6Pks/CTN		



► 2000-1000

◆ C3-2 : Stainless Steel Vacuum Filtration Set

- SUS316
- Excellent Chemical Resistance
- Individual Control Valve

❖ Specifications

Grade	Commodity	Description
FTF A0204	Manifolds Filtration Apparatus	3 branch, glass funnel
FTF A0205	Manifolds Filtration Apparatus	3 branch, glass funnel
FTF A0221	Manifolds Filtration Filtration	3-branch, All SUS, without clamp
FTF A0222	Manifolds Filtration Filtration	6-branch, All SUS, without clamp
FTF A0223	All SS Manifolds Vacuum Filtration	3-branch, All SS300ml funnel, with clamp
FTF A0224	All SS Manifolds Vacuum Filtration	6-branch, All SS300ml funnel, with clamp



D. Centrifuge Tubes

D1 Centrifuge Tubes



- Medical grade polypropylene
- Cap Material : HDPE
- Leakproof
- Black printed graduations
- Easy for one-handed operation
- Large white write-on area for easy marking

❖ Specifications

	15mL	50mL
Bottom Graduation Range	0.1 ~ 1mL	—
Bottom Graduation Interval	0.1mL	—
Graduation Range	1.5 ~ 14.5mL	5 ~ 47.5mL
Graduation Interval	0.5 mL	2.5 mL
Autoclavable	—	121°C
Freezable	- 20°C	- 45°C
Maximum RCF	13,000xg	9,500xg
Sterility	EO/Gamma	EO/Gamma

D2 Free-Standing Centrifuge Tubes



- Medical grade polypropylene
- Cap Material : HDPE
- Leakproof
- Easy for one-handed operation
- Large white write-on area for easy marking

❖ Specifications

	50mL
Bottom Graduation Range	—
Bottom Graduation Interval	—
Graduation Range	5 ~ 47.5mL
Graduation Interval	2.5mL
Autoclavable	121°C
Freezable	- 45°C
Maximum RCF	7,500xg
Sterility	EO/Gamma

E. Vials, Septa & Caps

HPLC Vials & Caps

E1 HPLC 2ml Vials & Caps (8-425)

- High quality
- USP TYPE I Grade
- OEM Accepted



Specifications

Model No.	Size	Description
V8A	11.6x32mm	2mL small opening short screw-thread vial, clear
V8B		2mL small opening short screw-thread vial with write-on spot, clear
V8C		2mL small opening short screw-thread vial, amber
V8D		2mL small opening short screw-thread vial with write-on spot, amber
SC8A8A	Φ8mm	White PTFE/red Silicone Septa, black screw PP cap, 5.5mm centre hole
SC8AA8A		Pre-slit white PTFE/red Silicone Septa, 8mm black screw PP cap, 5.5mm centre hole
SC8F8F		Natural PTFE/white Silicone Septa, 8mm black screw PP cap, 5.5mm centre hole
S8A		White PTFE/red Silicone Septa
S8F		Natural PTFE/white Silicone Septa

100pcs/pk

E2 HPLC 2ml Vials & Caps (9-425)



Specifications

Model No.	Size	Description
V9A	11.6x32mm	2mL wide opening short screw-thread vial, clear
V9B		2mL wide opening short screw-thread vial with write-on spot, clear
V9C		2mL wide opening short screw-thread vial, amber
V9D		2mL wide opening short screw-thread vial with write-on spot, amber
9-SP2001-2GM	Φ9mm	9-425 gold open-top magnetic screw cap
SC9A9A		White PTFE/red Silicone septa, 9mm blue screw-thread pp cap, 6mm centre hole
SC9A9A-1		9mm blue PP screw cap with bonded white PTFE/red Silicone Septa
SC9AA9A-2		9mm blue PP screw cap with bonded pre-slit white PTFE/red Silicone Septa
SC9F9F		Natural PTFE/white Silicone septa, 9mm blue screw-thread pp cap, 6mm centre hole
SC9FF9F		Pre-slit natural PTFE/non-slit white Silicone septa, 9mm blue screw-thread pp cap, 6mm centre hole
SC9F9FR		Caps and Septa Blue caps- PP material Septa - natural PTFE/Red Silicone
S9A		White PTFE/red Silicone septa
S9F		Natural PTFE/white Silicone septa
S9FF		Pre-slit natural PTFE/non-slit white silicone septa

100pcs/pk



E3 2ml Crimp-Top Vials & Caps

- Compatible with Shimadzu Varian, and other autosampler
- Caps are made of high quality aluminum



Specifications

Model No.	Size	Description
V11A	11.6x32mm	2mL wide opening crimp-top vial, clear
V11B		2mL wide opening crimp-top vial with write-on spot, clear
V11C		2mL wide opening crimp-top vial, amber
V11D		2mL wide opening crimp-top vial with write-on spot, amber
SC11A11B	Φ12x32mm	Pre-slit white PTFE/red Silicone septa, 11mm crimp-top aluminum cap, 5.5mm centre hole
SC11A11A	Φ11mm	White PTFE/red Silicone septa, 11mm crimp-top aluminum cap, 5.5mm centre hole
SC11F11A-1		Non-slip Nature PTFE/White Silicone septa, 11 mm crimp -top aluminum cap, 5.5 mm centre hole
SC11AA11A		Pre-slit white PTFE/red Silicone septa, 11mm crimp-top aluminum cap, 5.5mm centre hole

100pcs/pk

E4 Micro Insert & Shell Vials



Specifications

Model No.	Size	Description
IPA150	29x5mm	150µL Insert with mandrel interior and polymer feet, for ND8 Vials
IPB250	29x5.7mm	250µL Insert with mandrel interior and polymer feet, for ND9 Vials
IPB250-P	29x5.7mm	250µL Plastic Insert with mandrel interior and polymer feet, for ND9 Vials
IA250	31x5mm	250µL Micro-Insert, clear glass, flat bottom, for ND8 Vials
IB300	31x6mm	300µL Micro-Insert, clear glass, flat bottom, for ND9 Vials
V18A	8.2x40mm	1mL shell vials, 1st hydrol glass, clear, 8mm PE-Plug, soft, without insertion

100pcs/pk



E5 4ml Vials & Caps



Specifications

Model No.	Size	Description
V13A	15x45mm	4mL screw-thread vial, clear
V13B		4mL screw-thread vial, clear with write-on spot
V13C		4mL screw-thread vial, amber
V13D		4mL screw-thread vial, with write-on spot, amber
SC13D13B	Φ13mm	Natural PTFE/natural silicone septa, 13mm black screw PP cap, closed-top
SC13A13A		White PTFE/red Silicone septa, 13mm black screw PP cap, 8.5mm centre hole
SC13AA13A		Pre-slit white PTFE/red Silicone septa, 13mm black screw PP cap, 8.5mm centre hole
S13A		White PTFE/red Silicone septa

100pcs/pk

E6 8ml & 12ml Vials & Caps



Specifications

Model No.	Size	Description
V08A	17x60mm	8ml screw-thread vial, clear, borosilicate
V08C	17x60mm	8ml screw-thread vial, amber, borosilicate
V12A	18.75x65mm	12ml screw-thread vial, clear, borosilicate
V12C	18.75x65mm	12ml screw-thread vial, amber, borosilicate
SC15D15B	15.5x10mm	Black Closed-top Cap with Natural PTFE/White Silicone septa

100pcs/pk



Headspace Vials

E7 10ml & 20ml Screw-Tread Headspace Vials & Caps

- Compatible with Shimadzu Varian, and other autosampler
- Caps are made of high quality aluminum



Specifications

Model No.	Size	Description
VA101A	22.5x46mm	10mL Clear precision screw-thread vial, round bottom
VA201A	22.5x75.5mm	20mL Clear precision screw-thread vial, round bottom
SACA00A	Φ18mm	Blue PTFE/white silicone septa, 18mm magnetic precision screw-thread metal cap, 8mm centre hold

100pcs/pk

E8 10ml & 20ml Crimp-Top Headspace Vials & Caps



Specifications

Model No.	Size	Description
VH10A	22.5x46mm	10mL crimp headspace clear vial, flat bottom
VH10B	22.5x46mm	10mL crimp headspace amber vial, flat bottom
VH20A	22.5x75.5mm	20mL crimp headspace clear vial, flat bottom
VH20B	22.5x75.5mm	20mL crimp headspace amber vial, flat bottom
SC20B20A	Φ20mm	Natural PTFE/Natural silicone septa, 20mm crimp-top aluminum cap, 10mm centre hole
SBC20B20B	Φ20mm	Natural PTFE/Natural silicone septa, 20mm crimp-top blue magnetic aluminum cap, 10mm centre hole

100pcs/pk

Choosing the right Headspace Vials

22.5 x 46 mm (CTC, Varian)	22.5 x 75.5 mm (CTC, Varian)	22.5 x 46 mm (DANI, Agilent)	22.5 x 75.5 mm (DANI, Agilent)
VA101A	VA201A	VH10A VH10B	VH20A VH20B
CTC Combi PAL (Varian, Gerstel, Atas, Shimadzu), PerkinElmer*, Agilent	CTC Combi PAL (Varian, Gerstel, Atas, Shimadzu), PerkinElmer*, Agilent	Agilent, Carlo Erba, DANI, Fisons	Agilent, Carlo Erba, DANI, Fisons

Headspace Vials and Closures

Headspace vials are available in both 10mL and 20mL capacities, flat or rounded bottom.

The 20mm crimp caps provide a consistently secure seal.

- Choice of crimp or screw top vials
- Beveled top for maximum secure seal
- Two neck lengths available
- Choice of a pressure safety release cap at 45 psi
- Available in flat or rounded bottom designs



Storage Vials: EPA/Storage/VOA Vial

E9 20mm ~ 60ml Vials

- PTFE septa can resist organic solvents
- Caps are made of high quality polypropylene



Specifications

Model No.	Size	Description
V20A22ET	27x8mm	20mL screw-thread vial, clear glass
V20B22ET		20mL screw-thread vial, amber glass
SC22WPEET	Φ22mm	White closed top PP cap + 22mm white PE septa
V20A	27x58mm	20mL screw-thread vial, clear glass
V20B		20mL screw-thread vial, amber glass
V30A	27x75mm	30mL screw-thread vial, clear glass
V40A	27x95mm	40mL screw-thread vial, clear glass
V40B		40mL screw-thread vial, amber glass
V60A	27x140mm	60mL screw-thread vial, clear glass
V60B		60mL screw-thread vial, amber glass
SC22A22A	Φ22x3mm	Natural PTFE/Natural Silicone septa 22x3mm, 22mm white screw PP cap, 15mm centre hole
SC22A22B	Φ22x1.5mm	Natural PTFE/Natural Silicone septa 22x1.5mm, 22mm white screw PP cap, closed-top
SC22A22C	Φ22x3mm	Natural PTFE/Natural Silicone septa 22x3mm, 22mm black screw PP cap, 15mm centre hole
SC22A22D	Φ22x1.5mm	Natural PTFE/Natural Silicone septa 22x1.5mm, 22mm black screw polypropylene cap, closed-top
S22A-I	Φ22x3mm	Natural PTFE/Natural Silicone septa 22x3mm
S22A-II	Φ22x1.5mm	Natural PTFE/Natural Silicone septa 22x1.5mm
100pcs/pk		

Why Choose VOA Vials?

VOA vials are specifically designed for use with volatile organic compounds. They are available in both clear and amber borosilicate glass and have a temperature range of -40°C to 125°C.

- Ready to use caps: no time-consuming assembly
- No contamination of the liner that is normally caused by manual assembly
- Available as closed top screw or with centre hole in white or black 24-400 caps
- Broad variety of different septa materials for almost all applications



E10 9mm Plastic Micro Vials



Product

- ▶ Product Name: 9mm Plastic Micro Vial
- ▶ Maximum capacity: 300µL
- ▶ Recommended capacity: 250µL
- ▶ Bottle height: 32mm
- ▶ Thread diameter: 9mm
- ▶ Bottom diameter: 11.6mm
- ▶ Material: Polypropylene (PP)
- ▶ Packing quantity: 100 pcs / box

Specifications

Model No.	Size	Description
VP9A	9x11.6mm	0.3mL Short thread micro injection sample vials, clear, Polypropylene
VP9C	9x11.6mm	0.3mL Short thread micro injection sample vials, amber, Polypropylene
100pcs/pk		

E11 9mm Glass Micro Vials



Product

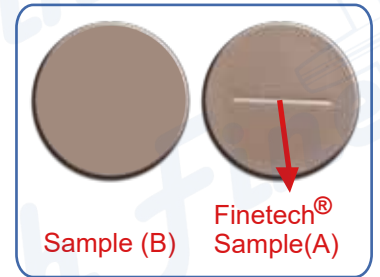
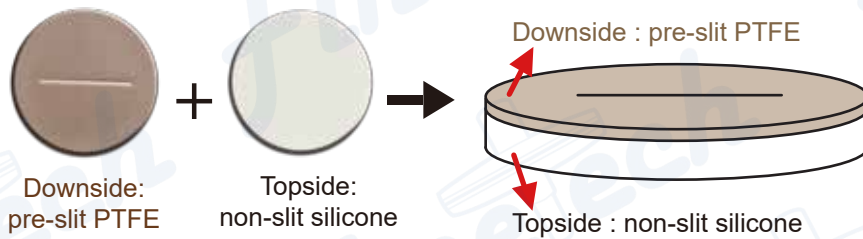
- ▶ Product Name: 9mm Glass Micro Vial
- ▶ Maximum capacity: 300µL
- ▶ Recommended capacity: 250µL
- ▶ Bottle height: 32mm
- ▶ Thread diameter: 9mm
- ▶ Bottom diameter: 11.6mm
- ▶ Material: borosilicate
- ▶ Packing quantity: 100 pcs / box

Model No.	Size	Description
VL9A	9x11.6mm	300µL thread fusion type vials, clear, borosilicate
VL9B	9x11.6mm	300µL thread fusion type vials, clear, write-on spot, borosilicate
VL9C	9x11.6mm	300µL thread fusion type vials, amber, borosilicate
VL9D	9x11.6mm	300µL thread fusion type vials, amber, write-on spot, borosilicate
100pcs/pk		



New Design of Septa

◆ Pre-Slit PTFE/non-slit silicone Septa



◆ Septa Benefit

Finetech® Sample (A) : Pre-slit PTFE / non-slit silicone septa

Sample (B) : Non-slit PTFE /silicone septa

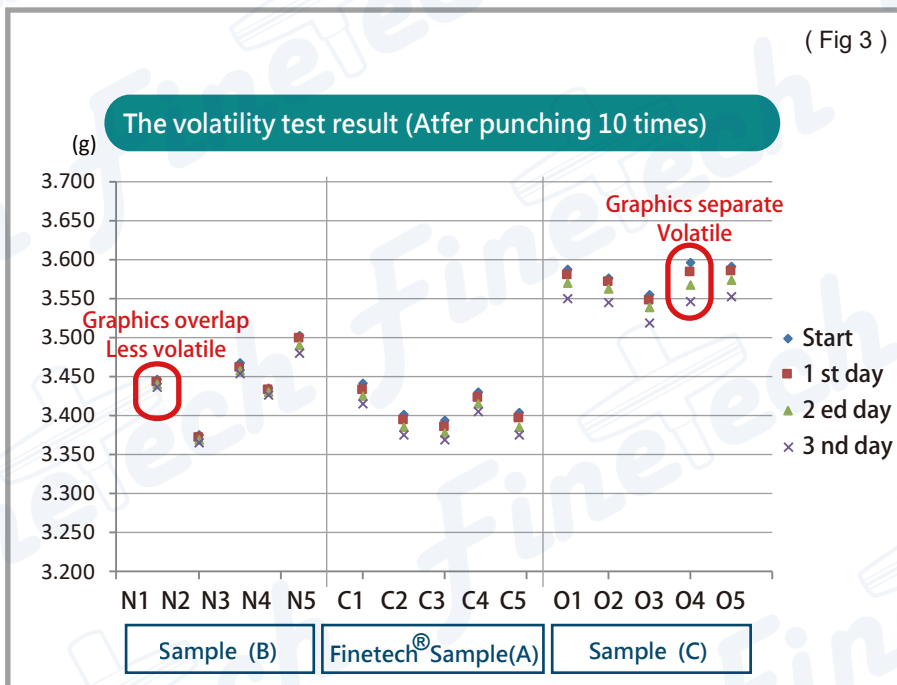
Sample (C) : Pre-slit PTFE /silicone septa

1. Finetech® Sample (A) will not be dropped off after punching many times, as compared with Sample (B) (Fig1)
2. Finetech® Sample (A) can keep volatile solvents better than Sample (C) (Fig3)
3. Finetech® Sample (A) decreases the damages of micro-syringe
4. Finetech® Sample (A) decreases the resistance of punching more than Sample (B)
5. Finetech® Sample (A) is made of original PTFE and Silicone



Test of Septa

◆ Volatility Test



◆ Punching Test



Digital Tensile Strength Test Machine

- I . Septa and caps are assembled as (Fig2)
- II . Simulator : Use digital Tensile Strength Test Machine to measure the resistance force
- III . Measure the strength of a flat needle to punch septa
- IV . Resistance force of Finetech® Sample(A) : 0.17-0.21 kgf Resistance force of Sample (B) : 0.34-0.39 kgf

F. Accessories

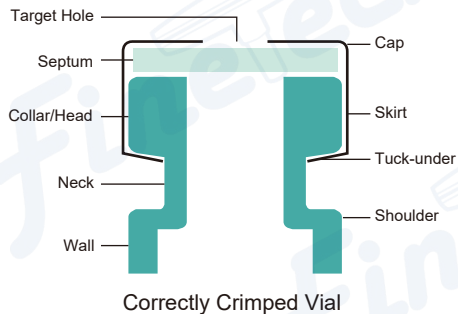
Hand Crimpers & Vial Racks

F1 Crimping and Decrimping Tools



Specifications

Model No.	Description
HD11-S	hand crimper, with 11mm crimp seals for 2mL Crimp Top Vial
HD11-O	hand decapper, with 11mm crimp open for 2mL Crimp Top Vial
HD20-S	hand crimper, with 20mm crimp seals for 20mL Crimp Top Vial
HD20-O	hand decapper, with 20mm crimp open for 20mL Crimp Top Vial



Correctly Crimped Vial



Under Crimped Vial



Over Crimped Vial

- ◆ Your selection and technique for crimping can have a significant effect on the preservation of sample integrity.
- ◆ The Finetech® system creates a perfect seal, ensuring sample integrity.
- ◆ A correctly crimped vial is neither over-crimped nor under-crimped.
- ◆ Over-crimping may cause coring or poor septum resealing.
- ◆ Under-crimping can cause evaporation problems.
- ◆ With proper adjustment of the vial crimpers, perfect crimping can be achieved every time.
- ◆ When the vial is crimped perfectly, the cap should be able to rotate and the septum should appear smooth and level.

- Painted, plated and coated for maximum corrosion resistance
- Adjustable stop for optimal sealing performance
- Textured handles for excellent grip
- Controlled, low-effort method for removing caps, reducing both sample spillage and breakages



F2 Vials Racks


- 50 slots
- For 2ml or 4ml vials
- Made of polypropylene
- Easy handling and transportation of sample vials
- Solidly constructed for stable standing position



❖ Specifications

Model No.	Description
RV001	2ml vials rack(PP), 18.7x9.7x2.1 cm, 50 slots
RV002	4ml vials rack(PP), 23.6x11.6x2.8 cm, 50 slots

◆ Certificate of Conformity



Date: 2008-03-04

CERTIFICATE OF CONFORMITY

We hereby certify that the neutral glass tubing of FIOLAX[®] (= Glass 8412/8414) with or without identification line, has been produced by consistently using a Quality Assurance System according to ISO 9001 as well as in accordance with our Technical Terms of Supply for Special Glass Tubing for the Manufacture of Pharmaceutical Containers.

The alkali release measured as per the powdered glass test specified for type I glass according to US Pharmacopoeia 23, ranges within the following values:

FIOLAX[®] clear : 0.30 ± 0.05 ml 0.02 N H₂SO₄ / 10 g glass
 FIOLAX[®] amber : 0.35 ± 0.05 ml 0.02 N H₂SO₄ / 10 g glass

With an upper limit for the first hydrolytic class (comparable: water resistance class I resp. HGB 1 according to ISO 719) of

1.0 ml 0.02 N H₂SO₄ / 10 g glass

Our borosilicate glass tubing of FIOLAX[®] clear and amber therefore corresponds to the requirements of the US Pharmacopoeia, Revision 23, for type I glass as well as to the stipulations of all other known pharmacopoeia (e. g. Ph. Eur. Current edition, Ph. Jap. 13, DAB 1996). Various tests on containers made from FIOLAX[®] tubing have shown that the chloride and arsenic release are well below the limit values.

Our composition of FIOLAX[®] amber fulfils the requirements for guaranteeing Protection against light, e. g. acc. to Ph. Eur., DAB 10 and USP 23 (valid from 01.01.1995) for containers with wall thicknesses according to ISO 9187 and ISO 8362 resp. and after correct thermal treatment of the glass tubing, with exception of ampoules > 20 ml.

The heavy metal contents, e. g. lead, cadmium, mercury and hexavalent chromium of both our FIOLAX tubing and our packing are considerably below the limit values of the US and EC regulations (article 11 of stipulations 94/62/CE).

FINETECH RESEARCH & INNOVATION CORP.



VN



US

Company Profile

- Since 1999, Finetech Research and Innovation Corporation has been manufacturing and supplying laboratory consumables to various types of labs all over the world. With exports to over 40 countries, Finetech has become one of the leading provider for environmental, pharmaceutical, biological, and other testing laboratories
- Finetech began with the research & development and manufacturing of syringe filters and other filtration products. In keeping with our core principle of innovation, Finetech has expanded their product line to include lab equipment and other supplies to meet the needs of their customers.
- Finetech follows the principles of quality over quantity and good services for all.

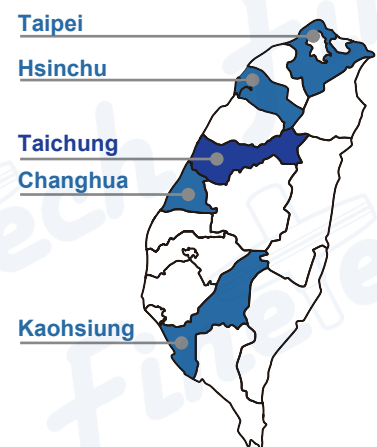
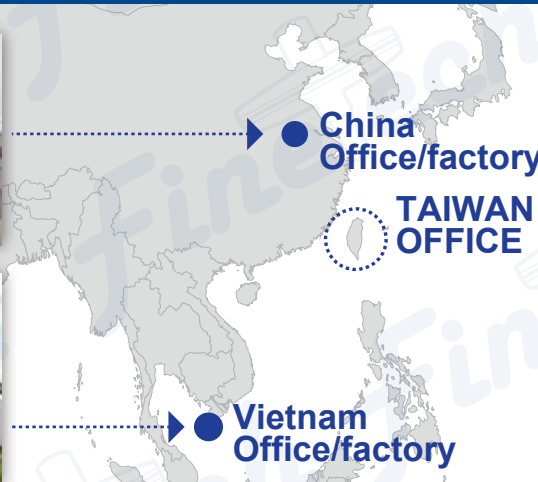
The importance of quality can be seen in the use of quality imported materials and equipment, the use of a cleanroom, and the strict quality control standards.



Contact us

FINETECH RESEARCH & INNOVATION CORP

- Sample vials
- Glass fiber filters
- Biochemical supplies
- Syringe filters
- Air filters



✉ sales@finetech-filters.com ☎ +886-977-216-648
line/whatsapp: +886-977-216-648