

Microbial Filtration



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



ISO 13485

VISIT US

- 🏠 www.finetech-filters.com
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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

- 2021 Developed Racked Filters Tips, PCR Supplies, Cell Culture Series
- 2020 Produced Disposable Medical Masks
- 2019 Produced Bottle Top Filter Unit
- 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



Vietnam Factory

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Product Timeline



1999

Finetech Research and Innovation Corporation established.



2008

Developed autoclavable transducer protector.



2012

Produced the first 50mm air/vent filters in Taiwan.



2015

Started production of vials for chromatography and environmental analysis.



2016

New product launched – sterile filtration cup.



2018

Researched and developed QuEChERS kit



2020

Disposable Medical Masks

2004

Developed transducer protectors. Was the first manufacturer in Asia.



2010

Produced the first syringe filters manufactured in a cleanroom in Taiwan.(PureTech)



2014

Started producing sterile syringe filters.



2015

Vacuum Pump & Vacuum Filtration System (Stainless Steel manifold)



2017

Produced 15mL & 50mL centrifuge tubes (sterile & non-sterile)

2019

Bottle Top Filter Unit
100ml Funnel Filter



2021

Rack Filter Tips & PCR Supplies
Cell Culture Series
Petri Dish



A. Startech™ Sterile Syringe Filters

A1 Startech™ 13mm Sterile Syringe Filters



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

A2 Startech™ 33mm Sterile Syringe Filters



- Housing material : medical grade polypropylene
- Pore Size : 0.22um, 0.45um
- 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 CA	017=13mm	N (Non-Sterile)	022=0.22um	I = Hydrophilic
PTFE PES	033=33mm	S (EO)	045=0.45um	O = Hydrophobic
Nylon RC				
MCE GF				
13mm pack : 100pcs/pk 33mm pack : 100pcs/pk				
Example : <u>PVDF</u> <u>033</u> <u>S</u> <u>022</u> <u>I</u> = 33mm, PVDF membrane, Sterile, 0.22um ① ② ③ ④ ⑤				



B. Laboratory Filtration : Manifold



■ Type A material

- Stainless Steel material
- Excellent Chemical Resistance
- Individual Control valve

Type A

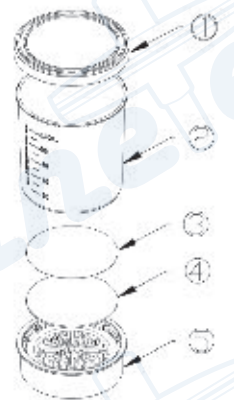


6-Branch

Type C



3-Branch



■ Type C

Microbiological Monitors & Analytical Funnels (Sterile)

Features and Benefits:

- **Time-saving:** Completely sterilized and ready to use funnel reduces the time needed for sterilizing after each use, allowing tests to be completed up to 3 times faster.
- **Complete system:** After filtration, product can be converted to a petri dish and incubated.
- **Easy to use:** Simple and ready to use immediately after opening.
- **Safe:** Individually packaged, sterile, and disposable means no fire hazards or biological hazards from aerosolization.
- **Multifunctional:** Removable base can be turned into petri dish for immediate incubation after filtration.
- **Reliable results:** Complete sterile and disposable system greatly reduces possibility of cross contamination and improves reproducibility of results.

Comes in two types:

Analytical Funnel: Disposable funnel. Removable membrane transferable to petri dish.

Microbiological Monitor: Fixed membrane in the removable base for conversion to petri dish.

Funnel Filter

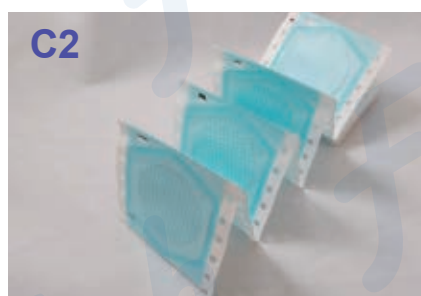
- Cover : PP
- Funnel: PP
- Base: PP
- Membrane Size: $\varnothing 47\text{mm}$
- Funnel filter Capacity : 100ml
- Filtration area: 13.6cm²
- Sterilization: E.O or Gamma

❖ Ordering Information

Model No.		Description	Package
Type A	SS-0291	3-Branch stainless steel(316) manifold, 47mm with 0.3L SS funnel*3	1set/ctn
	SS-0292	6-Branch stainless steel(316) manifold, 47mm with 0.3L SS funnel*6	1set/ctn
Type C	FC-MCE100G45I	EZ-Tech Sterile Disposable Filter Units, 100 ml	24pcs/ctn
	SS-100-PP-3R	3-place stainless steel(316) manifold with EZ-Tech 47mm, Sterile disposable filter units with Lid, 47 mm, 100 ml*3	1set/ctn
	SS-100-PP-6R	6-place stainless steel(316) manifold with EZ-Tech 47mm, Sterile disposable filter units with Lid, 47 mm, 100 ml*6	1set/ctn

For more, please visit www.finetech-filters.com

C. Finetech® MCE Membrane Filter



C1 White membrane with black grid Individual Pack

C2 White membrane with black grid : Continuous Pack

- Mixed cellulose esters is designed for microbiological analysis and provides maximum recovery of organisms.
- Unique gridline provides guidance for quantification of bacterial colonies without growth inhibition or enhancement.

❖ Specifications

Diameter	47mm
Pore Size	0.22µm, 0.45µm
Membrane Type	MCE
Sterilization	Gamma

❖ Ordering Information

Model No.	Description	Package
M-MCE047G045I-G	47mm Pore Size:0.45µm Sterile, white membrane with black grid. Individual Pack	100pcs/pk
M-MCE047G022I-G	47mm Pore Size:0.22µm Sterile, white membrane with black grid. Individual Pack	100pcs/pk
M-MCE047G045I-GS	47mm Pore Size:0.45µm Sterile, white membrane with black grid. Continuous Pack	150pcs/pk
M-MCE047G022I-GS	47mm Pore Size:0.22µm Sterile, white membrane with black grid. Continuous Pack	150pcs/pk



D. Finetech® Vacuum filtration system

D1 Finetech® Vacuum Driven Sterile Filter Cup (Bottle top filter)



- Vacuum hose adapter for quick filtration of large volume of fluids.
- Stable, low center of gravity prevent spillage
- Easy to read mark shows filtered volume
- Suitable for open, closed, or continuous flow systems
- Gamma sterilization
- DNase, RNase, and Pyrogen Free

❖ Ordering Information

Model NO.	Membrane	Diameter	Pore Size	Description	Packaging
FC-PVDF500G022I-90	PVDF	90mm	0.22um	Sterile Bottle Top Vacuum Filter Funnel Capacity: 500 ml Individually Packed	12pcs/CTN
FC-PVDF500G045I-90	PVDF	90mm	0.45um	Sterile Bottle Top Vacuum Filter Funnel Capacity: 500 ml Individually Packed	12pcs/CTN
FC-PES500G022I-90	PES	90mm	0.22um	Sterile Bottle Top Vacuum Filter Funnel Capacity: 500 ml Individually Packed	12pcs/CTN
FC-PES500G045I-90	PES	90mm	0.45um	Sterile Bottle Top Vacuum Filter Funnel Capacity: 500 ml Individually Packed	12pcs/CTN

D2 Finetech® Vacuum Pump

- High chemical resistance
- No air pollution, maintenance free
- Thermal protection device
- Low vibration/High vacuum
- High flow rate. High horsepower



❖ 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	

D. Finetech® Vacuum filtration system



VS300



VS400

- Low vibration and low noise emission
- Oil-less design, no pollution generated
- Built in thermal protection
- Compact and easy-to-carry design
- Rugged design and low maintenance required

❖ Ordering Information

Model No.	VS300		VS400	
	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Frequency	110V/60Hz	220V/50Hz	110V/60Hz	220V/50Hz
Power(W)	95		120	
Vacuum(mmHg)	660		660	
Max Flow Rate(L/min)	24	19	40	32
Horse Power(HP)	1/8		1/6	
Noise Level(dBA)	45		45	
N.W.(kg)	3.6		5.5	
LxWxH(cm)	26.7x11.3x15		33x13.5x18	

❖ Vacuum Pump Comparison

Model No.	VS01		VS300		VS400		VS08	
Frequency	110V/60Hz & 220V/50Hz							
Power(W)	70		95		120		560	
Vacuum(mmHg)	650 ± 6%		660 ± 6%		660 ± 6%		670 ± 6%	
Max Flow Rate(L/min)	22	18	24	19	40	32	110	90
Horse Power(HP)	1/8		1/8		1/6		3/4	
Noise Level(dBA)	58		45		45		61	
N.W.(kg)	4		3.6		5.5		11	
Dimensions (LxWxHcm)	20x15x19		26.7x11.3x15		33x13.5x18		35x21x26	
Vacuum Adjustment					Yes			
Thermal Protection					Yes			
Overflow Protection	No		Yes		Yes		No	



E. Centrifuge Tubes & Petri Dish

E1 Centrifuge Tubes



15mL

50mL

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

❖ Specifications

	15 mL	50mL
Bottom Graduation Range	0.1 ~ 1 mL	—
Bottom Graduation Interval	0.1 mL	—
Graduation Range	1.5 ~ 14.5 mL	5 ~ 47.5 mL
Graduation Interval	0.5 mL	2.5 mL
Autoclavable	—	121°C
Freezable	- 20°C	- 45°C
Maximum RCF	21,800xg	14,000xg
Sterility	EO/Gamma	EO/Gamma

❖ Ordering Information

Model No.	Description	Package
ST-tube15-EO	Sterile 15mL Conical-Bottom Centrifuge Tubes	25pcs/pk, 20pks/ctn
ST-tube50-EO	Sterile 50mL Conical-Bottom Centrifuge Tubes	25pcs/pk, 20pks/ctn

1



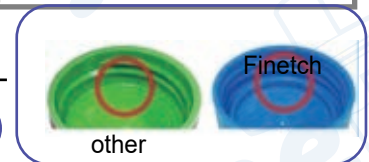
Easy to read and accurate. Black printed-on and clear-molded dual graduations (15ml) provides contrast for samples of any color.

2



Molded graduations on the conical bottom for the 15ml. Providing precise measurements of small volumes.

3



Flat caps for easy labelling and deeper plug seals for better leak resistance.

4



Large and easy-to-write-on surface for clear labeling of samples. Frosted surface (15ml) allows viewing of the sample.

5



Caps: HDPE
TUBE: PP

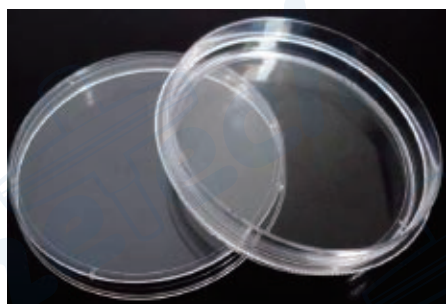
- Fully recyclable and environmentally-friendly
- Made of virgin medical grade PP for the highest quality and lowest extractables.

- Rated at maximum RCF of 21,800 xg (15ml) and 14,000 xg (50ml).
- Freezable to -80C.
- DNase/RNase free and non-pyrogenic.



E. Centrifuge Tubes & Petri Dish

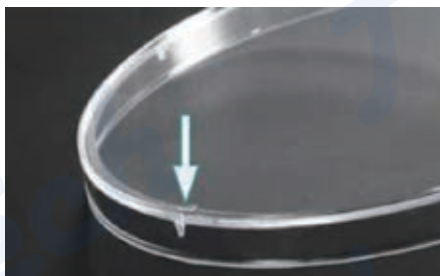
E2 Petri Dish



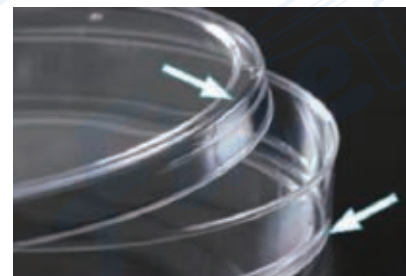
- Made of highly transparent medical grade PS material.
- Used for fungus, bacteria and other microorganism culture.
- Superior production techniques for uniform thickness.
- Smooth and clean bottom allows for more precise quantitative analysis.
- Easy to stack up.
- Vent design for easy air exchange.
- E.O or Gamma sterilization available.



Sterile Packaging



Unique Vented lid design for better gas exchange



Enhance the strength of edge

❖ Ordering Information

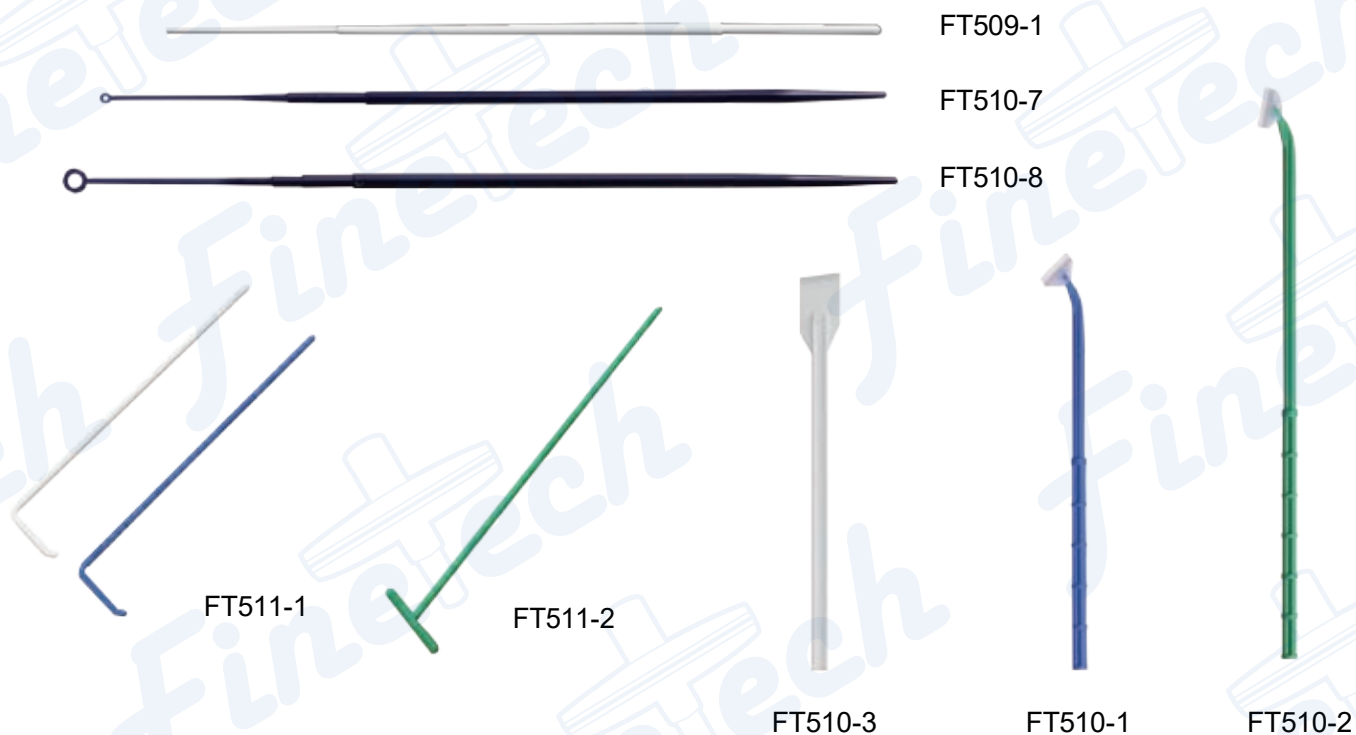
Model No.	Description	Packaging
FT506	Petri Dish, 15x90mm, Sterile	20pcs/pk, 500pcs/ctn
FT506-N	Petri Dish, 15x90mm, Non-Sterile	20pcs/pk, 500pcs/ctn
FT504	Petri Dish, 15x60mm, Sterile	26pcs/pk, 1040pcs/ctn
FT504-N	Petri Dish, 15x60mm, Non-Sterile	26pcs/pk, 1040pcs/ctn



F. Inoculating Loop

F1 Inoculating Loop

- Made of high quality PS material, hydrophilic after surface treatment, applicable to microbial inoculation.
- Multi color to distinguish different loops and needles
- Slim and flexible stick, adapted to narrow and irregular containers.
- Bulk or individually packed.
- Available in non-sterile and E.O. sterilized.

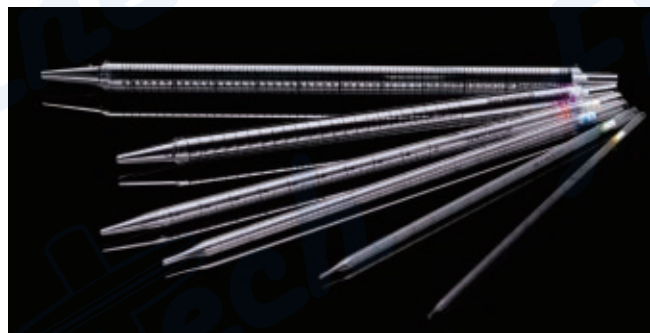


❖ Ordering Information

Model No.	Description	Package
FT509-1	Inoculating needle type,20 pcs/bag, E.O sterile	2000pcs/box,4000pcs/CTN
FT510-7	Inoculating loop 1ul ,5 pcs/bag, E.O sterile	200pcs/box,10000pcs/CTN
FT510-8	Inoculating loop 10ul ,5 pcs/bag, E.O sterile	200pcs/box,10000pcs/CTN
FT511-1	Cell spreader L type ,E.O sterile,5pcs pack	500pcs/mid bag,5000pcs/CTN
FT511-1-1	Cell spreader L type ,E.O sterile,individual pack	200pcs/bag,2000pcs/CTN
FT511-2	Cell spreader T type ,E.O sterile,5 pcs pack	500pcs/mid bag,5000pcs/CTN
FT511-2-1	Cell spreader T type ,E.O sterile ,individual pack	200pcs/bag,2000pcs/CTN
FT510-1	Cell scraper 18cm,Individual pack,E.O sterile	1pcs/bag 100pcs/mid bag 1000pcs/CTN
FT510-2	Cell scraper 25cm,Individual pack,E.O sterile	1pcs/bag 100pcs/mid bag 1000pcs/CTN
FT510-3	Cell lifter 18cm,Individual pack,E.O sterile	1pcs/bag 100pcs/mid bag 1000pcs/CTN



G. Serological Pipette



Made of imported, high quality polystyrene (GPPS) in class 100,000 clean workshop. Novel aspiration area design can fit most of the pipettors on the market. Mainly used for accurate measure or transfer for certain volume liquid and is widely employed in the field of cell culture, bacteriology, clinical research, etc..

- Available in six capacities: 1.0ml, 2.0ml, 5.0ml, 10.0ml, 25.0ml, 50.0ml. Graduations are calibrated within $\pm 2\%$.
- 1.0ml, 2.0ml, 5.0ml pipettes are shaped by stretching method.
- 5.0ml, 10.0ml, 25.0ml, 50.0ml pipettes tips are welded to the tube by ultrasonic wave.
- Smooth and clean without drawing lines.
- Different colors correspond to different specification, easy to distinguish.
- Liquid adhesion to the inner walls maximally reduced, improving sampling accuracy.
- Excellent double-sided graduation design ideally meet with the demand for liquid adding or reducing.
- Clear and simple graduation.
- All serological pipettes are assembled with high quality filters.
- Strict integrity test on every pipette.
- Non-sterile or sterilized by Gamma or EO.
- DNase, RNase, and Pyrogen-free

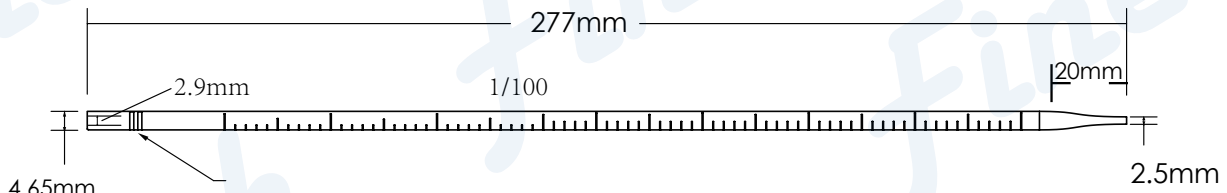
❖ Ordering Information

Model No.	Description	Packaging
FT9010	Capacity: 1mL Size: Ø5×270mm Individual packs and E-Beam sterilization	300pcs/box 1800pcs/CTN
FT9020	Capacity: 2mL Size: Ø6×280mm Individual packs and E-Beam sterilization	
FT9050	Capacity: 5mL Size: Ø8×345mm Individual packs and E-Beam sterilization	200pcs/box 1200pcs/CTN
FT9100	Capacity: 10mL Size: Ø10×345mm Individual packs and E-Beam sterilization	
FT9250	Capacity: 25mL Size: Ø15×345mm Individual packs and E-Beam sterilization	100pcs/box 600pcs/CTN
FT9500	Capacity: 50mL Size: Ø18×345mm Individual packs and E-Beam sterilization	75pcs/box 450pcs/CTN

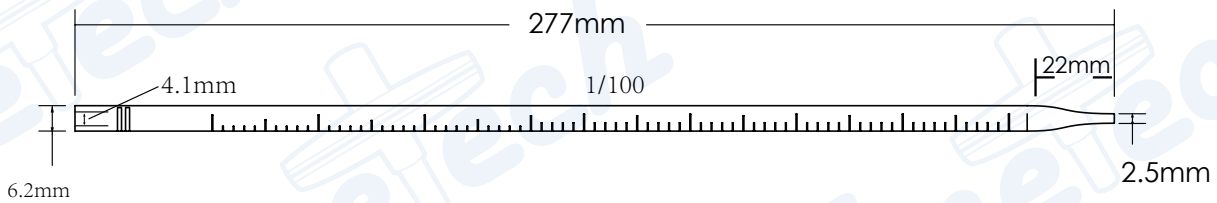


Drawing

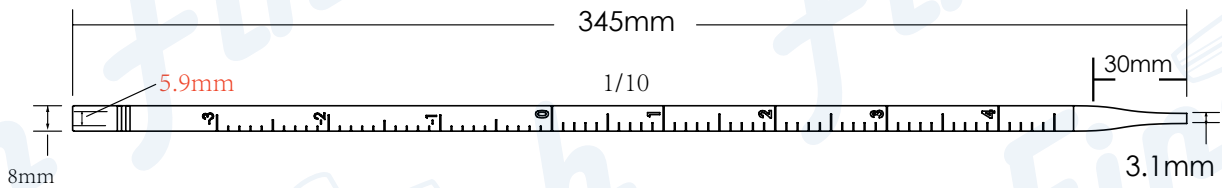
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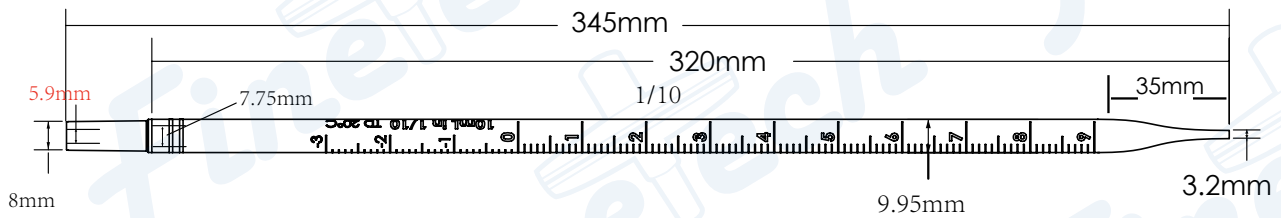
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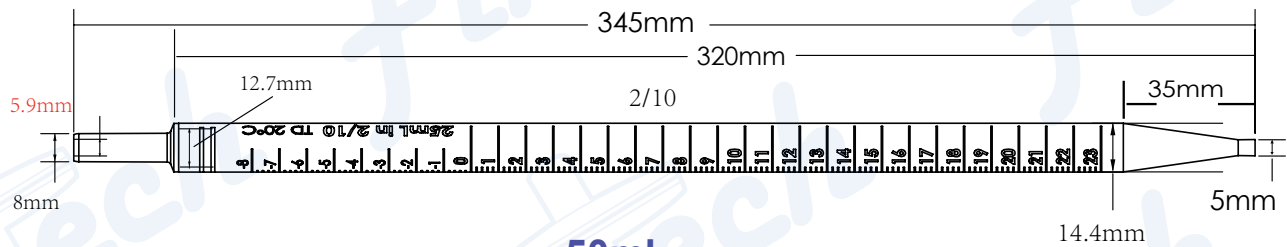
5ml



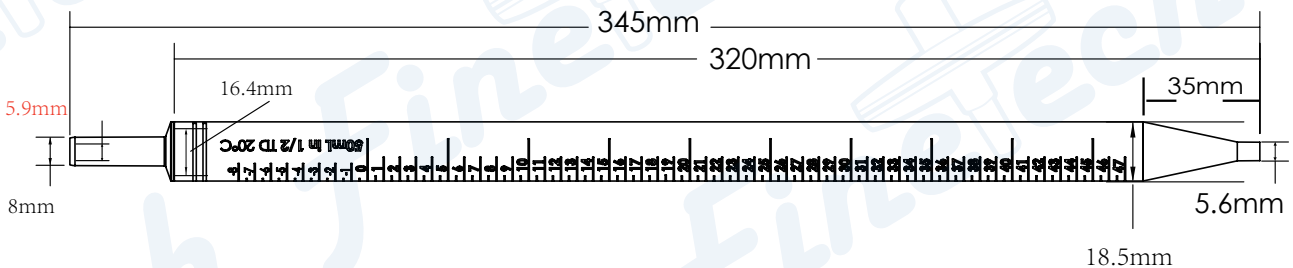
10ml



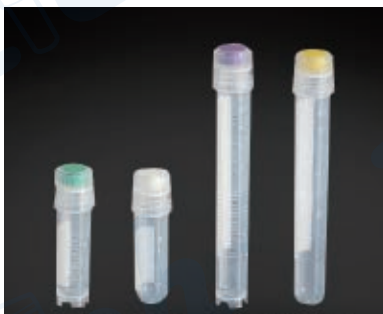
25ml



50ml

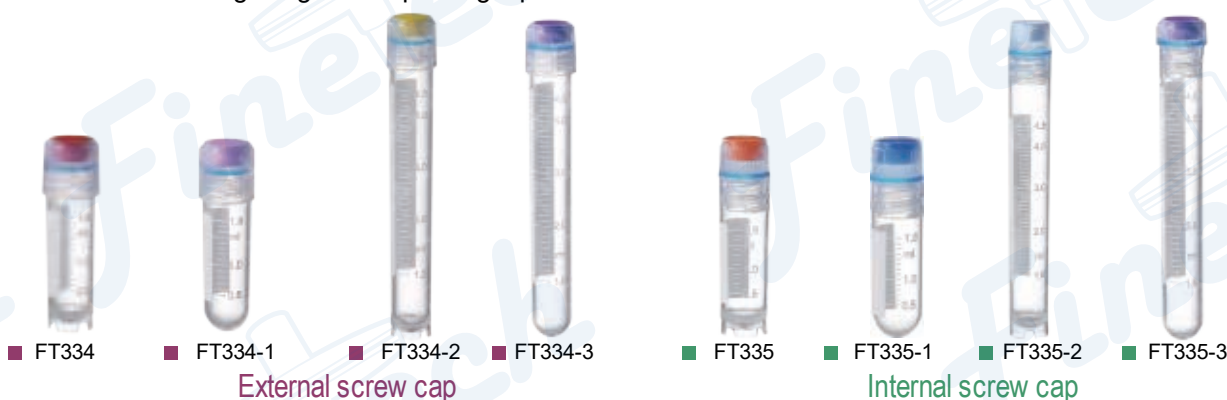


H. Cryotubes



Finetech cryotubes are made of medical grade PP material and are the ideal lab consumable for biological sample storage. In the gas situation of liquid nitrogen, it can withstand temperature as low as -196°C . Silicone gel O-ring in the cap ensures no leakage, even in the standard lowest storing temperature, which will guarantee the sample's safety. Different inserted color top will help with identification. White writing area and clear graduation make the mark and volume calibration more convenient. Maximum RCF:17,000xg

- External screw cap can reduce the contamination probability during sample treatment.
- Cryotube with internal screw cap is for freezing samples in gas situation of liquid nitrogen.
- Large white writing area allows easy marking.
- Round bottom design is good for pouring liquids out with little residual.



❖ Ordering Information

Model No.	Description	Package
FT334	Cryotube 1.8ml, external screw cap with color, self standing	500pc/bag 5000pcs/CTN
FT334-EO	Cryotube 1.8ml, external screw cap with color, self standing, Sterile	500pcs/bag 2000pcs/CTN
FT334-1	Cryotube 1.8ml, external screw cap with color code, Round Bottom	500pc/bag 5000pcs/CTN
FT334-2	Cryotube 4.5ml, external screw cap with color code, self standing	200pcs/bag 2000PCS/CTN
FT334-3	Cryotube 4.5ml, external screw cap with color code, Round Bottom	200pcs/bag 2000PCS/CTN
FT335	Cryotube 1.8ml, Internal screw cap with color, self standing	500pc/bag 5000PCS/CTN
FT335-EO	Cryotube 1.8ml, Internal screw cap with color, self standing, Sterile	100pc/bag 2000pcs/CTN
FT335-1	Cryotube 1.8ml, Internal screw cap with color code, Round Bottom	500pc/bag 5000PCS/CTN
FT335-2	Cryotube 4.5ml, Internal screw cap with color code, self standing	200pcs/bag 2000PCS/CTN
FT335-3	Cryotube 4.5ml, Internal screw cap with color code, Round standing	200pcs/bag 2000PCS/CTN
CT-25-PC	Cryogenic PC box, 7.4*7.4*5.4cm, for 2ml cryotube of 25pcs resistant -196°C	50pcs/CTN
CT-100-PC	Cryogenic PC(COVER)PP(BOX), 13.2*13.2*5.3cm, for 0.5-2ml Internal screw cap of cryotube resistant temperature from 121°C -to 196°C	50pcs/CTN

For more, please visit www.finetech-filters.com



E. Microcentrifuge Tubes



❖ Features

- ▶ Constructed of high transparency PP, resistant to chemicals and low temperatures.
- ▶ Easy to open and close cap with one hand.
- ▶ DNase/RNase and pyrogen free.
- ▶ Heavy metal free
- ▶ Handles centrifuge speeds of up to 15,000 RPM.
- ▶ With clear and precise graduation on the sides.
- ▶ Frosted areas on cap and tube for easy labeling.
- ▶ Usable temperature range of -80°C - 121°C

❖ Ordering Information

◆ Microcentrifuge Tubes		
Model No.	Description	Packaging
FT301	0.2mL microcentrifuge tubes	50000pcs/CTN
FT305	0.5mL microcentrifuge tubes	20000pcs/CTN
FT306	1.5mL microcentrifuge tubes	10000pcs/CTN
FT327-3	2ml micro centrifuge tubes(snap cap) with safety cap,PP	6000pcs/CTN

FINETECH RESEARCH & INNOVATION CORP.



LINE



WEBSITE

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



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