

Finntip®



Tips for Optimized Pipetting Performance

Analyze • Detect • Measure • Control™

Thermo
ELECTRON CORPORATION

Finntip® Pipette Tips

High-quality Finntip pipette tips from Thermo Electron have always been an essential part of our world-leading family of Finnpipettes. And now Finntips include our latest innovation known as the Finntip Flex system, designed to be a high-performance, space-saving solution for quality conscious laboratories.

Our Finntip selection has been extended over the years to cover a full range of basic and special tips, including wide orifice tips, positive displacement tips, stepper tips, and other special modules.

Each tip is described in detail on the following pages to help you choose the right tip for your particular application.

Tip-top quality

Thermo's Finntips are manufactured using high quality raw materials and the latest molding techniques. They are designed from start using our extensive knowledge of liquid handling. Modern automated production facilities and decades of expertise allow us to produce uniformly smooth, hydrophobic surfaces on

the inside and outside of our tips. This prevents liquid retention and ensures the most accurate, precise pipetting.

For applications demanding the highest levels of purity, we offer sterile, irradiated tips and sterile tips free from endotoxins, RNase and DNase. We also have considered the different needs of a variety of applications. For example, Finntip Wide Tips are designed specifically to avoid mechanical shearing of cell suspensions and macromolecules.

Why are Finntips better than the rest?

Feature	Finntip	Lower quality tips
Accuracy	Unique sealing end guarantees optimum accuracy and precision with Finnpipettes and most other common pipette brands	Leakage results in poor accuracy.
Materials	Virgin polypropylene is clean without any bubbles or other defects. Fully autoclavable.	Lower quality materials can cause quality problems.
Advanced molding techniques	No flash around the tip end – for improved accuracy. Hydrophobic surface. Automated production ensures optimum purity.	Poor quality molds result in flash – and lower accuracy. Low level of automation leads to impurities.
Product range	One of the widest product ranges available.	Limited product selection available.



New

Finntip® Flex 300 – A new peak in tip technology

Flexible in every way

Thermo's new Finntip Flex 300 system is the latest breakthrough in pipette tip technology that offers flexible, soft and sophisticated high-end tips for discerning users.

Finntip Flex 300 consists of a new-generation tip, an easy-to-use operation rack and space-saving refill kit. All elements in the system have been designed to fulfill the most demanding requirements for ergonomics and flexibility in pipetting tasks for today's fast-paced laboratories.

Tips reduce RSI risk

With its special softer plastic material, the new Finntip Flex tip is designed to enhance pipetting ergonomics. This soft tip reduces the amount of force needed to attach and eject tips, significantly lowering the risk of RSI. It also ensures a better seal with the pipette module, ensuring higher accuracy and precision.

Currently, the clear Finntip Flex tips are available in a volume range of 300 µl and come as standard racked tips or sterile.

Slip-free rack

The all-new non-slip operating rack has been designed as a result of direct feedback from laboratory personnel around the world. The see-through cover is easy to open with one hand, leaving the other hand free to perform other tasks. Thanks to the new sturdy base and slip-proof feet, the rack stays put, allowing you to easily yet firmly attach the tip. The rack's attractive new design is fresh and compact – a welcome addition to any lab.

Save space on refills

Refilling the operating rack has never been so easy. The refill system allows fast tip matrix plate attachment with just one click.

The innovative refill system design now helps you save on space. Ten refill plates are stacked in a compact way to reduce material use, eliminate waste and keep the plates free from dust.



When selecting a tip

- Choose high quality tip to avoid leakage and retention
- Choose a tip with perfect surfaces
- Choose a tip with flush orifices and reliable seals

Different types of Finntips

Thermo offers a full range of tips for different applications. The general structure of the tip depends on the type of pipette for which the tip will be used.



Tip for air displacement pipettes.



Tip for positive displacement pipettes.



Positive displacement type tip for repeater pipettes.



Finntip 10

Finntips optimize pipette performance

Finntips have been designed for optimal pipetting performance. Each Finntip detail is taken into consideration to ensure high-quality results.



Finntip 20



Finntip

Smooth uniform surface prevents liquid retention.



Finntip

Clean hydrophobic surface and optimum design ensure excellent sample dispensing.



Alternative brand

A rough or uneven surface increases liquid retention.



Finntip 250

- Wide range of tips
- Enhanced pipetting performance

Application areas of Finntips:

- Aqueous solutions
- Enzyme samples
- Viscous solutions
- Chemical analyses

Finntip 10 – 0.2-10 µl

This tip is specially designed for pipetting micro-sized drops. It is ideal for use with micro-volume Finnpipette Focus pipettes (0.3-3 µl, 0.5-5 µl and 1-10 µl single channels and the 1-10 µl multichannel) and Finnpipette Digitals (0.2-2 µl and 0.5-10 µl single channels and the 0.5-10 µl multichannel). Finntip 10 is now also available in refill kits.

Finntip 20 – 0.2-20 µl

The Finntip 20 is suitable for applications requiring high precision and volumes of 0.2-20 µl. The tips are provided in convenient racks of 384 tips.

Finntip 50 – 0.2-50 µl

Finntip 50 is designed for the Finnpipette 16-channel. It can also be used as an extended model of the Finntip 10.

Finntip 250 Universal – 0.5-250 µl

Ideal for use with single channel and multichannel Finnpipettes, the Finntip 250 Universal is also designed for use with pipettes from other manufacturers. Finntip 250 Universal tips are available in refill kits.

Finntip 200 Ext – 5-200 µl

The Finntip 200 Ext is an extra-long tapered tip that is designed to fit in extremely narrow vessels.

Finntip 300 – 5-300 µl

These tips are specially designed for the new Finnpipette multichannels (reverse pipetting is possible with the 300 µl). The Finntip 300 is also suitable for single channel pipettes in the 5-300 µl range. Packaging options include refill packs.

Finntip 1000 Ext – 100-1000 µl

The new Finntip 1000 Ext is an extended 10.5 cm model of the Finntip 1000. It is ideal for use with longer tubes and other deep vessels.

Finntip 1000 – 100-1000 µl

This mid-size tip comes in several package sizes. It is also available in refill packs.

Finntip 5 ml – 1-5 ml

This high-volume tip is designed for use with large laboratory vessels. Several packaging options are available, including racks, boxes, bags and bulk.

Finntip 10 ml – 2-10 ml

The high-capacity Finntip 10 ml is ideal for use with extremely large and deep laboratory vessels. It is also available in sterile versions.

Autoclaving

Finntips can be autoclaved, except Finntip Filter and Finntip Stepper. Sterile versions of these tips are available.



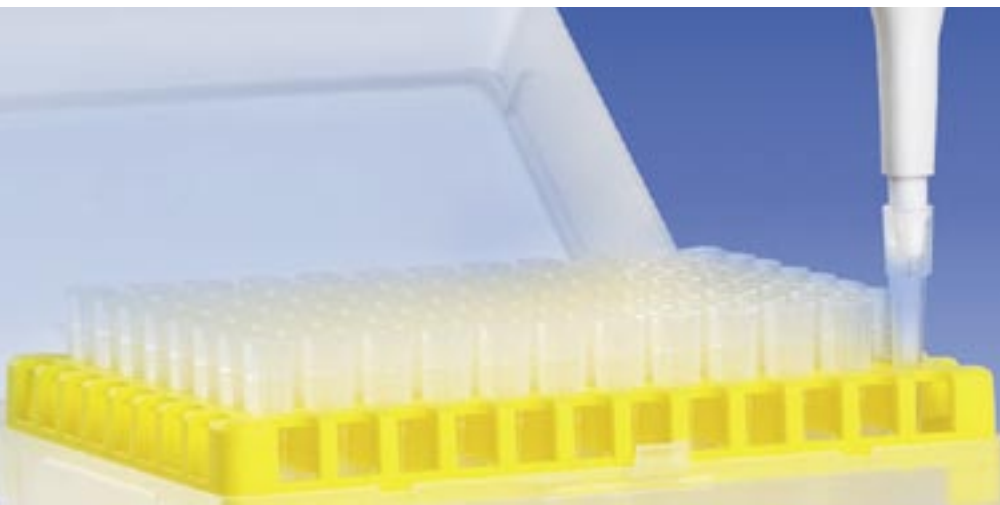
Finntip 1000



Finntip 5 ml



Finntip 10 ml



Finntip® 250 Universal and Finntip 10 refill kits

Refill Starter Kit

This contains four racks of Finntips and one refill tower of 10 matrix plates. When the rack is empty, the empty matrix can be removed and a full matrix refill easily transferred from the tower to the rack. The racks can be re-used and therefore help to reduce waste, while the packaging for the refill kits is made of recyclable cardboard. Refill starter Kits are available for volume ranges of 250 µl and 10 µl.

Refill Kit

This contains two refill tower of 10 matrix plates each. Finntip 250 Universal can be used for a volume range of 0.5 – 250 µl whilst Finntip 10 can be used for 0.2 – 10 µl. Both are suitable for use with single and multi-channel pipettes. Finntips and racks can be autoclaved at 121°C for 20 minutes. Refill starter Kits are available for volumes ranges of 250 µl and 10 µl.

Please note:

The Finntip 10 matrix holds 192 tips and the Finntip 250 matrix holds 96 tips.



Finntip 10 refill kit.



Finntip 250 refill kit.



Finntips are ideal for:

- Finnpipette Focus long tip cones
- Finnpipette Focus short tip cones
- Finnpipette Focus multichannels

Finntip® Filters

Finntip Filter 0.2 µl-10 ml

Finntip Filters are ideal for PCR and other amplification methods, or for any work where aerosol contamination might occur. They are designed for pipetting DNA/RNA solutions, infectious materials, labeled samples, and others. Finntip Filters cannot be autoclaved. For applications requiring absolute sterility, they are supplied in irradiated tip racks.

Convenient sizes are available

to fit 0.2 µl-10 ml Finnpipettes. Two new models have been introduced. Finntip Filter 50 µl is designed for Finnpipette 16-channel and Finntip Filter 20 µl is ideal for Finnpipette Digital 2-20 µl.

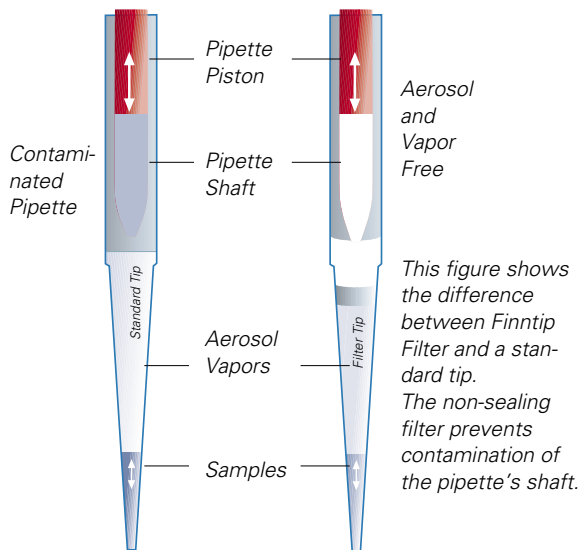
The tip filters are made of ultra-high molecular weight polyethylene, which is inert and non-sealing. This material is molded into a matrix to ensure effective particle entrapment.

Autoclavable Finntip Filters

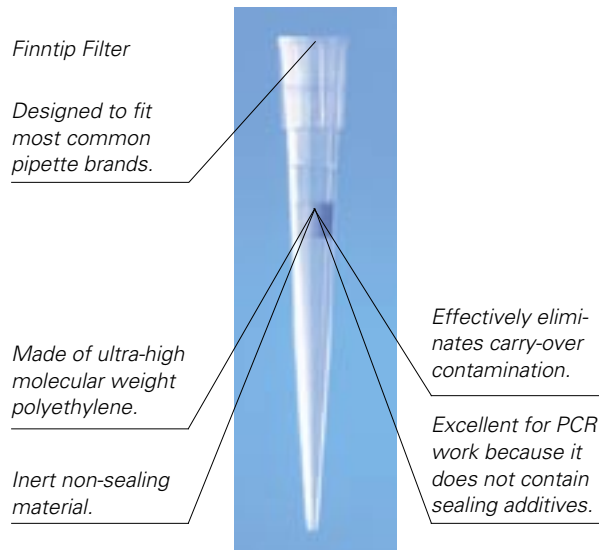
The autoclavable Finntip Filters extend the use of filter tips significantly. Now it is possible to autoclave even pre-sterilized tips, this feature helps ensuring the success of the application.

In application that does not need sterile tips it is possible to gain financial savings by using non-sterile Finntip Filter autoclavable tips. If the application requires later autoclaving it is possible with Finntip Filter autoclavable tips.

Comparison of Finntip Filter and Standard Tip



Special Features of Finntip Filters



- Made of ultra-high molecular weight polyethylene
- Filtertips are optimized for use with Finnpipettes
- Fits most common pipette brands



Special Pipette Tips

Finntip BioCon 10 µl, 250 µl and 1000 µl

Designed for applications that demand the utmost in biological purity, individually packed Finntip BioCon tips are endotoxin-free, DNA-free, DNase-free and RNase-free. They are presterilized with gamma radiation, making them optimal for medical, pharmaceutical and food industries, PCR applications, as well as molecular biology and cell technology. Finntip BioCon tips are guaranteed to be free of biological compound contamination. A certificate of purity is provided with each box.

Finntip Multistepper – 1500 µl

Specially designed for use with the Finnpipette Multistepper, this tip has a nominal volume of 1500 µl, and accommodates standard 9 mm microplate spacing. Finntip Multistepers are also available in racks of 96 tips, and in sterile or non-sterile versions.

Finntip Stepper – 10-5000 µl

The Finntip Stepper is a plunger style tip for positive displacement pipetting. It is intended for use with the Finnpipette Stepper. Seven sizes are available in sterile or non-sterile (non-autoclavable) versions.

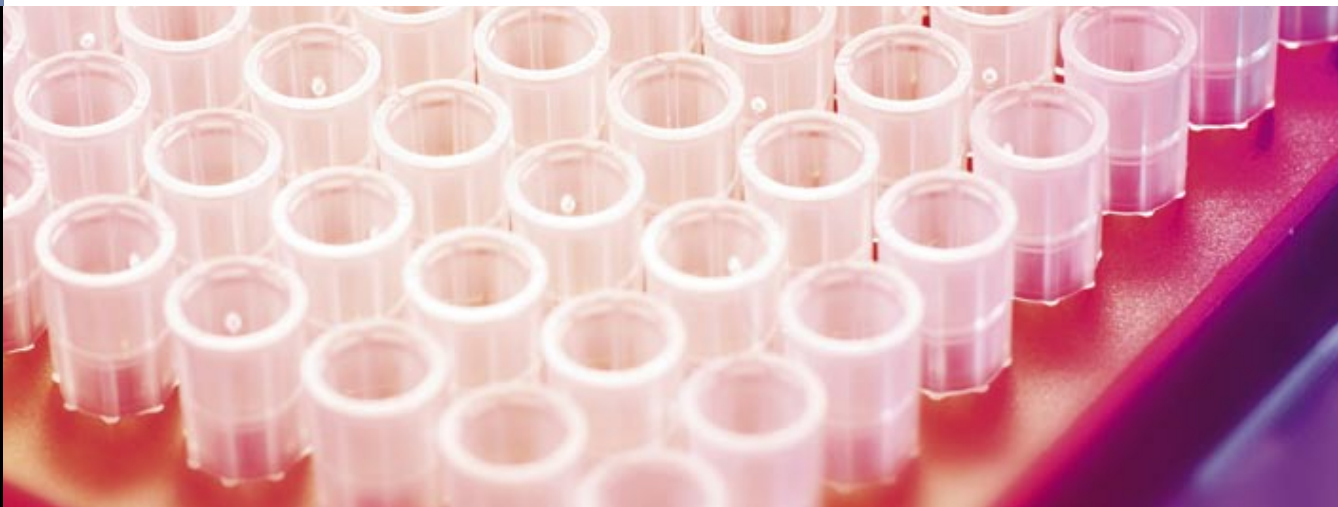
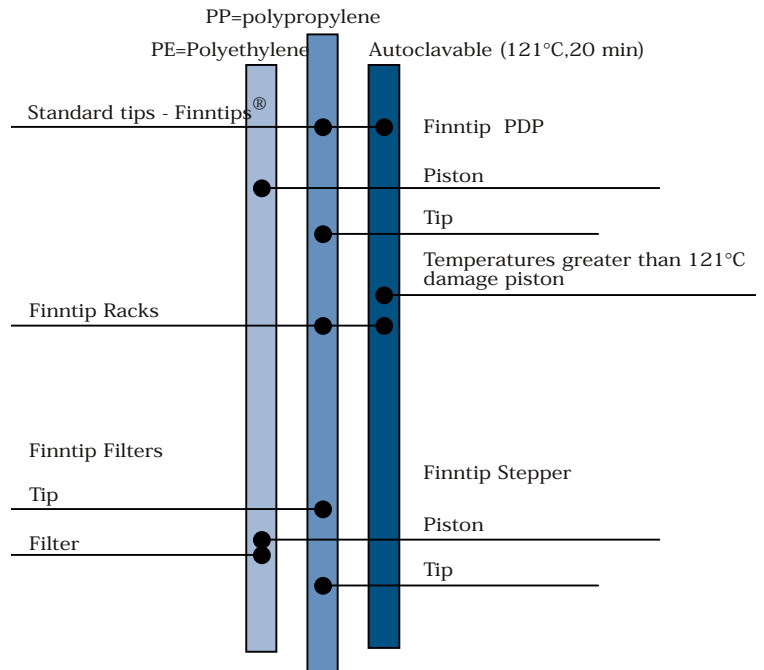
Finntip PDP – 0.5-25 µl and 20-200 µl

Designed for use with the Finnpipette PDP, this tip is intended for positive displacement applications. The preassembled tip and plunger prevent air from entering the tip and eliminate aerosol contamination. Several packaging options are available, including autoclavable racks and bags of 960 tips.

Finntip Wide – 10-250 µl and 100-1000 µl

With its wide orifice tip, the Finntip Wide is designed especially for pipetting fragile cell suspensions and macromolecules like genomic DNA. This tip reduces the mechanical shearing that causes cell fragmentation. It is excellent for use with extremely viscous liquids. Depending on the model, the inside diameter of the orifice is 1.1 mm or 1.8 mm. The Finntip Wide is available in racks, and in sterile and non-sterile versions.

Finntip materials and autoclavability



Pipettes/Tip Compatibility Reference Guide

	Finntip (sterile and non-sterile)											Finntip Filter (sterile)															
	10	20	50	200 Ext	250 Univ	300	300 Flex	1000 Ext	1000	5 ml	10ml	Micro	10 Univ	20 Univ	20 384	30 Univ	50	100 Ext	100 Univ	200 Ext	200 Univ	300	1000 Ext	1000	5 ml	10ml	
FP Novus 1 - 10 µl (4620 000)	x	x	x									x			x		x										
FP Novus 1 - 10 µl (4620 010)				x	x								x	x													
FP Novus 5 - 50 µl (4620 020)			x														x										
FP Novus 5 - 50 µl (4620 030)				x	x													x	x								
FP Novus 10 - 100 µl				x	x													x	x	x	x						
FP Novus 30 - 300 µl						x	x																x				
FP Novus 100 - 1000 µl								x	x															x	x		
FP Novus 0.5 - 5 ml										x																x	
FP Novus 1 - 10 ml											x																x
FP Novus 8-ch 1 - 10 µl	x	x	x										x	x	x												
FP Novus 12-ch 1 - 10 µl	x	x	x										x	x	x												
FP Novus 8-ch 5 - 50 µl				x	x																						
FP Novus 12-ch 5 - 50 µl				x	x																						
FP Novus 8-ch 30 - 300 µl						x	x																x				
FP Novus 12-ch 30 - 300 µl						x	x																x				
FP Novus 16-ch5 - 50 µl			x														x										
FP Focus* 0.3 - 3 µl	x											x															
FP Focus* 0.5 - 5 µl	x	x	x									x			x		x										
FP Focus* 1 - 10 µl micro	x	x	x									x			x		x										
FP Focus* 1 - 10 µl Univ.				x	x								x	x													
FP Focus* 3 - 30 µl micro		x	x												x		x										
FP Focus* 3 - 30 µl Univ.				x	x											x											
FP Focus* 5 - 50 µl micro			x														x										
FP Focus* 5 - 50 µl Univ.				x	x	x	x											x	x				x				
FP Focus* 10 - 100 µl				x	x	x	x											x	x				x				
FP Focus* 30 - 300 µl						x	x																x				
FP Focus* 100 - 1000 µl								x	x															x	x		
FP Focus* 0.5 - 5 ml										x																x	
FP Focus* 1 - 10 ml											x																x
FP Focus* 8-ch 1 - 10 µl	x	x	x									x															
FP Focus* 12-ch 1 - 10 µl	x	x	x									x															
FP Focus* 8-ch 5 - 50 µl				x	x													x	x								
FP Focus* 12-ch 5 - 50 µl				x	x													x	x								
FP Focus* 8-ch 30 - 300 µl				x	x	x	x											x	x	x	x	x					
FP Focus* 12-ch 30 - 300 µl				x	x	x	x											x	x	x	x	x					
FP Focus* 16-ch 5 - 50 µl		x	x												x		x										
FP Digital 0.2 - 2 µl	x	x	x									x															
FP Digital 0.5 - 10 µl (4500 010)	x	x	x									x															
FP Digital 0.5 - 10 µl (4500 020)				x	x								x	x													
FP Digital 2 - 20 µl				x	x								x	x													
FP Digital 5 - 50 µl				x	x													x	x	x	x	x					
FP Digital 10 - 100 µl				x	x	x	x											x	x				x				
FP Digital 20 - 200 µl				x	x	x	x													x	x	x					
FP Digital 100 - 1000 µl								x	x															x	x		
FP Digital 200 - 1000 µl								x	x															x	x		
FP Digital 1 - 5 ml										x																x	
FP Digital 2 - 10 ml											x																x
FP Digital 8-ch 0.5 - 10 µl	x	x	x									x															
FP Digital 12-ch 0.5 - 10 µl	x	x	x									x															
FP Digital 8-ch 5 - 50 µl				x	x													x	x								
FP Digital 12-ch 5 - 50 µl				x	x													x	x								
FP Digital 8-ch 50 - 300 µl				x	x	x	x											x	x	x	x	x					
FP Digital 12-ch 50 - 300 µl				x	x	x	x											x	x	x	x	x					
FP Digital 16-ch 5 - 50 µl		x	x												x		x										

* Long and short models

FP = Finnpiquette

ch = channel

Ordering Information

Finntip 10



Cat. no.	Description	Quantity
9400 310	Finntip 10	1000/bag
9400 300	Finntip 10	10x96/rack
9400 303	Finntip 10 sterile	10x96/rack
9400 326	Finntip 10 refill starter kit	4x192/rack + 10x192/refill
9400 327	Finntip 10 refill kit	20x192/refill
Color code:	Length: 3.2 cm	
	Pink	

Finntip 20



Cat. no.	Description	Quantity
9400 620	Finntip 20	1000/bag
9400 610	Finntip 20	10x384/rack
9400 613	Finntip 20 sterile	10x384/rack
Color code:	Length: 3.3 cm	
	Purple	

Finntip 50



Cat. no.	Description	Quantity
9400 360	Finntip 50	1000/bag
9400 370	Finntip 50	10x384/rack
9400 373	Finntip 50 sterile	10x384/rack
Color code:	Length: 4.8 cm	
	Turquoise	

Finntip 200 Ext



Cat. no.	Description	Quantity
9400 100	Finntip 200 Ext	400/box
9400 130	Finntip 200 Ext	10x96/rack
9400 133	Finntip 200 Ext sterile	10x96/rack
Color code:	Length: 7.8 cm	
	Orange	

New

Finntip 300 Flex



Cat. no.	Description	Quantity
94060510	Finntip 300 Flex	10x96/rack
94060513	Finntip 300 Flex sterile	10x96/rack
94060516	Finntip 300 Flex refill starter kit	1x96/rack + 20x96/refill
94060517	Finntip 300 Flex refill kit	20x96/refill
94060520	Finntip 300 Flex	1000/bag
Color code:	Length: 6.0 cm	
	Orange	

Finntip 300



Cat. no.	Description	Quantity
9401 260	Finntip 300	1000/bag
9401 240	Finntip 300	20 000/bulk
9401 250	Finntip 300	10x96/rack
9401 253	Finntip 300 sterile	10x96/rack
9401 255	Finntip 300 refill pack	10x192/pack
Color code:	Length: 5.2 cm	
	Orange	

Finntip 250 Universal



Cat. no.	Description	Quantity
9400 250	Finntip 250 Universal	500/box
9400 230	Finntip 250 Universal	1000/bag
9400 220	Finntip 250 Universal	20 000/bulk
9400 260	Finntip 250 Universal	10x96/rack
9400 263	Finntip 250 Universal sterile	10x96/rack
9400 266	Finntip 250 Universal refill starter kit	4x96/rack + 10x96/refill
9400 267	Finntip 250 Universal refill kit	20x96/refill
Color code:	Length: 5.2 cm	
	Yellow	

Finntip 1000



Cat. no.	Description	Quantity
9401 030	Finntip 1000	1000/bag
9401 010	Finntip 1000	10 000/bulk
9401 070	Finntip 1000	200/box
9401 110	Finntip 1000	10x96/rack
9401 113	Finntip 1000 sterile	10x96/rack
9401 115	Finntip 1000 refill pack	5x192/pack
Color code:	Length: 7.1 cm	
	Blue	

Finntip 1000 Ext



Cat. no.	Description	Quantity
9401 410	Finntip 1000 Ext	1000/bag
9401 420	Finntip 1000 Ext	5x96/rack
9401 423	Finntip 1000 Ext sterile	5x96/rack
Color code:	Length: 10.5 cm	
	Blue	

Finntip 5 ml



Cat. no.	Description	Quantity
9402 050	Finntip 5 ml	75/box
9402 030	Finntip 5 ml	500/bag
9402 010	Finntip 5 ml	3000/bulk
9402 070	Finntip 5 ml	5x54/rack
9402 073	Finntip 5 ml sterile	5x54/rack
Color code:	Length: 14.7 cm	
	Green	

Finntip 10 ml



Cat. no.	Description	Quantity
9402 150	Finntip 10 ml	40/box
9402 151	Finntip 10 ml	100/bag
9402 160	Finntip 10 ml	5x24/rack
9402 163	Finntip 10 ml sterile	5x24/rack
Color code:	Length: 15.0 cm	
	Red	

Finntip Filter



Cat.no.	Description	Volume	Quantity
94052 000	Finntip Filter Micro sterile	0.2-10 µl	10x96/rack
94052 020	Finntip Filter 384 20 µl sterile	0.5-20 µl	10x384/rack
94052 060	Finntip Filter 50 µl sterile	0.2-50 µl	10x384/rack
94052 100	Finntip Filter 10 µl sterile	0.5-10 µl	10x96/rack
94052 150	Finntip Filter 20 µl sterile	0.5-20 µl	10x96/rack
94052160	Finntip Filter 30 µl sterile	0.3-30 µl	10x96/rack
94052 200	Finntip Filter 100 µl sterile	0.5-100 µl	10x96/rack
94052 310	Finntip Filter 100 µl Ext sterile	5-100 µl	10x96/rack
94052 300	Finntip Filter 200 µl sterile	0.5-200 µl	10x96/rack
94052 320	Finntip Filter 200 µl Ext sterile	5-200 µl	10x96/rack
94052 350	Finntip Filter 300 µl sterile	5-300 µl	10x96/rack
94052 410	Finntip Filter 1000 µl sterile	100-1000 µl	10x96/rack
94052 430	Finntip Filter 1000 µl Ext sterile	100-1000 µl	5x96/rack
94052 550	Finntip Filter 5 ml sterile	1-5 ml	5 x 54/rack
94052 600	Finntip Filter 10 ml sterile	2-10 ml	5 x 24/rack

Finntip Multistepper



Cat. no.	Description	Quantity
9401 300	Finntip Multistepper	400/box
9401 330	Finntip Multistepper	10x96/rack
9401 333	Finntip Multistepper sterile	10x96/rack
Color code:	Length: 8.5 cm	
	Turquoise	

Finntip Stepper



Cat. no.	Volume	Dispensing volume	Quantity
9404 170	0.5 ml	10, 20, 30, 40, 50 µl	100/box
9404 173	0.5 ml sterile	10, 20, 30, 40, 50 µl	50/box
9404 180	1.25 ml	25, 50, 75, 100, 125 µl	100/box
9404 183	1.25 ml sterile	25, 50, 75, 100, 125 µl	50/box
9404 190	2.5 ml	50, 100, 150, 200, 250 µl	100/box
9404 193	2.5 ml sterile	50, 100, 150, 200, 250 µl	50/box
9404 200	5.0 ml	100, 200, 300, 400, 500 µl	50/box
9404 203	5.0 ml sterile	100, 200, 300, 400, 500 µl	25/box
9404 210	12.5 ml	250, 500, 750, 1000, 1250 µl	50/box
9404 213	12.5 ml sterile	250, 500, 750, 1000, 1250 µl	25/box
9404 220	25 ml	500, 1000, 1500, 2000, 2500 µl	20box
9404 223	25 ml sterile	500, 1000, 1500, 2000, 2500 µl	10/box
9404 230	50 ml	1000, 2000, 3000, 4000, 5000 µl	10/box
9404 233	50 ml sterile	1000, 2000, 3000, 4000, 5000 µl	10/box

Finntip Filter Autoclavable



Cat.no.	Description	Volume	Quantity
94055350	Finntip Filter 100 autoclavable	0.5-100 µl	10x96/rack
94055353	Finntip Filter 100 Sterile autoclavable	0.5-100 µl	10x96/rack
94055500	Finntip Filter 300 autoclavable	5-300 µl	10x96/rack
94055503	Finntip Filter 300 Sterile autoclavable	5-300 µl	10x96/rack
94055800	Finntip Filter 1000 autoclavable	100-1000 µl	10x96/rack
94055803	Finntip Filter 1000 Sterile autoclavable	100-1000 µl	10x96/rack

Finntip PDP



Cat. no.	Description	Volume	Quantity
9402 990	Finntip 25 PDP	0.5-25 µl	10x96/rack
9403 070	Finntip 25 PDP	0.5-25 µl	960/bag
9403 000	Finntip 200 PDP	20-200 µl	10x96/rack
9403 080	Finntip 200 PDP	20-200 µl	960/bag
Color Code:	Length: 3.7 cm / 4.9 cm		
	Light Blue/dark blue		

Finntip BioCon



Cat. no.	Description	Volume	Quantity
94053 100	Finntip BioCon 10	0.2-10 µl	100/box
94053 200	Finntip BioCon 250	0.5-250 µl	100/box
94053 300	Finntip BioCon 1000	100-1000 µl	50/box

Finntip Wide



Cat. no.	Description	Volume	Quantity
9405 020	Finntip 250 Wide	10-250 µl	1000/bag
9405 030	Finntip 250 Wide	10-250 µl	22000/bulk
9405 120	Finntip 250 Wide	10-250 µl	10x96/rack
9405 123	Finntip 250 Wide sterile	10-250 µl	10x96/rack
9405 050	Finntip 1000 Wide	100-1000 µl	400/bag
9405 060	Finntip 1000 Wide	100-1000 µl	6500/bulk
9405 160	Finntip 1000 Wide	100-1000 µl	10x96/rack
9405 163	Finntip 1000 Wide sterile	100-1000 µl	10x96/rack

Color Code: Length: 5.3 cm / 7.2 cm
White

Convenient packaging

A range of packaging options is available, including racks, bags, boxes and bulk. To reduce waste, convenient refill packs are available for Finntip racks.



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