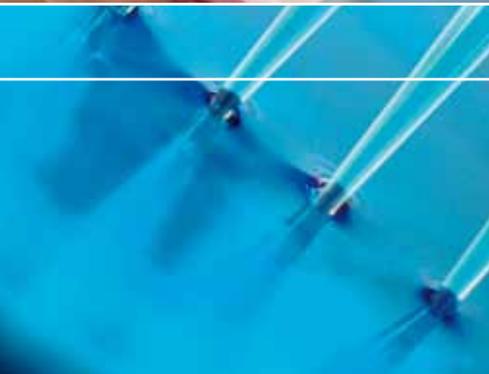


Thermo Scientific Finnpipette Finntip



Solutions for accurate and precise results

Product Catalog 2010



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Over 35 Years of Innovation

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Over 35 Years of Innovation

A leader in pipetting

For over 35 years we have led the way in liquid handling products and microplate instrumentation. Innovation, ergonomics, accuracy, precision and safety are key aspects of our products' designs. In 1971 we introduced Thermo Scientific Finnpiquette, the world's first continuously variable micropipette. In 1976 we introduced the world's first multichannel pipette. Since then we have continuously improved our pipettes, always leading the way with ergonomic design. Over the last 35 years, innovations such as the improved

finger rest, soft-touch tip ejection and super blow-out have made Finnpiquettes increasingly user-friendly. Our intensive research program and commitment to our customers are the foundation for future innovations. The new demands in pipette applications are the key drivers of our product development. To date, over 3 million Finnpiquettes have been sold in 150 countries. Thanks to our extensive R&D and feedback from the field, Finnpiquettes are the preferred choice for optimal liquid handling results, with our multichannel pipettes being the market leader worldwide.

Innovations such as the grippy finger rest have made Finnpiquettes increasingly user-friendly.

Finnpiquettes are the preferred choice for optimal liquid handling results, with our multichannel pipettes being the market leader worldwide.

In 1976 Finnpiquette introduced the world's first multichannel pipette.

01

Thermo Scientific Finnpipette

New products

- Finnpipette F1
- Finnpipette F2

The Finnpipette range is the result of over 35 years pipetting expertise. The unique design specifically reduces user stress and optimizes pipetting performance so that you can set the volumes you need quickly, and focus on your work.



Good Laboratory Pipetting

High Quality Pipettes for reliable performance

Since 1971, Thermo Scientific Finnpiettes have led the way in liquid handling technology. We pay attention to every detail of our products, choosing the best raw materials and closely monitoring every stage of production. In addition, all our products comply with international standards and regulations and all Finnpiette and Finntip packaging is fully recyclable. Our technical superiority, high quality and customer service ensure that our products maintain their world leading reputation for reliability.

Unique warranty policy

No other pipette manufacturer offers such peace of mind. Finnpiettes are covered by industry-leading warranties - 5-years for all manual pipettes and 2-years for electronic pipettes - giving you the best added value for your investment. Warranties are obtained with web registration.

Reliable service for maintaining the accuracy and precision

Finnpiette Service Centers are our way of thanking you for selecting us as your partner. Finnpiette Service Centers offer you the latest equipment, original spare parts and our most modern calibration facilities for all your needs. Speed and reliability is our focus and our continuously trained technicians are always ready to assist you. As your long-term partner, we will support you and help you to achieve consistently excellent results. For more information, contact info.pipettes@thermofisher.com

Service training for optimum lab efficiency

Our Service Training courses give you the skills to service and calibrate your own Finnpiettes, and thus maintain their precision and accuracy. This allows you to reach optimum lab efficiency when using Finnpiettes, Finntips and complete Thermo Scientific liquid handling systems.

For more information, contact info.pipettes@thermofisher.com

Committed to Ergonomics design that helps avoiding RSI*

Laboratory work that involves frequent or continuous repetitive pipetting has been clearly identified as a source of upper limb injuries, especially of the shoulders and right upper arm. Improved pipette ergonomics can prevent excess strain especially on the upper limbs, and neck and shoulder areas. The ease and lightness of pipetting tasks plays an important role in reducing stress, and even minor improvements in pipette construction, coupled with adequate rest and proper working conditions, can greatly enhance user comfort. The Finnpiette product development team has introduced numerous patented innovations to help reduce any physical stress and discomfort.



Advanced Features

Super Blow-out ensures effective delivery of micro-size drops.

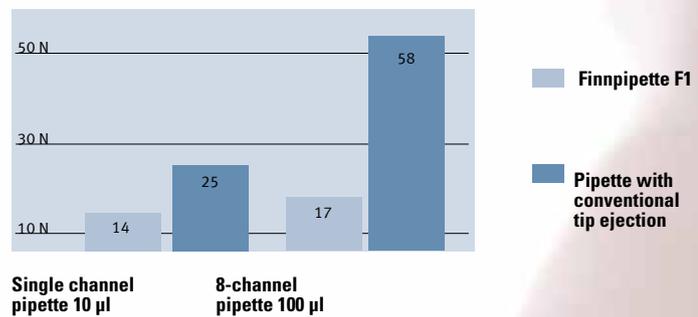
Reliable, consistent pipetting of micro volumes is crucial for many of today's advanced laboratory procedures, especially when expensive reagents are used. Specifically designed for micro-pipetting, super blow-out sets the standards for pipetting performance, accuracy and precision at low volume settings. Designed to increase blow-out volume, the innovative telescopic piston boosts the power of the blow-out step thus preventing capillary action. Super blow-out ensures efficient delivery of micro volumes and has been designed into Finnpiquette F1 and F2 single channel pipettes for the following volume ranges; 0.2-2 μl , 0.5-5 μl , 1-10 μl , 2-20 μl and 5-50 μl .

Advanced soft-touch tip ejection reducing the tip ejection force

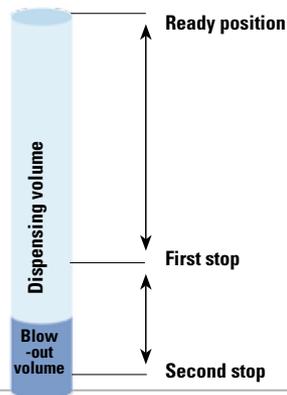
The unique tip ejector of Finnpiquettes makes tip ejection easier than ever. An innovative gearing mechanism produces more down force with less effort, releasing the tips with just a gentle push. This is an especially valuable feature on multichannel pipettes.

Soft-touch tip ejection

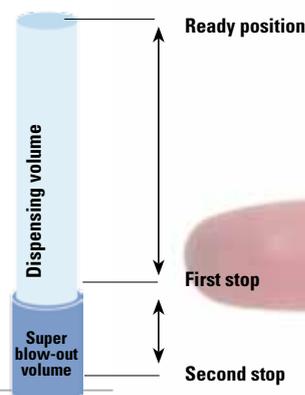
Force (N) needed to eject the tips



Pipette without super blow-out



Pipette with super blow-out



- Leading the way in ergonomic design
- Designed to fit your hand
- Extremely accurate and precise pipetting
- Dedicated to comfort
- Industry leading 5-year warranty with web registration



Thermo Scientific Finnpiquette F1

The Thermo Scientific Finnpiquette F1 combines all the features that Finnpiquette are famous for with state-of-the-art innovations – this is the first time an antimicrobial treatment has been used with pipettes for better protection.

Integrated Surface Protection

We are the first in the world to incorporate antimicrobial treatment in our pipettes. The handle and the dispensing button of the Finnpiquette F1 are made of an antimicrobial polymer containing silver ions as the active ingredient. The silver ions are slowly released via an ion-exchange mechanism. When the silver ions come into contact with microorganisms, the ions are taken up by microbial cells and interrupt critical functions, such as DNA replication, resulting in the death of the microbes. Silver is well known to be safe for human contact and effective against a broad spectrum of microorganisms. The used treatment reduces even 99.9 % of the bacteria remaining on the surface. The antimicrobial treatment protects the pipette from microbial growth on its surface thus preventing deterioration of the polymer parts.

Advanced Volume Gearing (AVG)

The Finnpiquette F1 has many features dedicated to improving accuracy and precision. It has a specially developed self-supporting modular volume adjustment mechanism. Because the AVG mechanism is separated from the pipette body, its accuracy and precision, and its durability, are greatly improved. In addition, to eliminate the possible effects of hand warmth on the accuracy of your measurements, the AVG mechanism is also thermally isolated from the body of the Finnpiquette F1.

Set and Forget Volume Adjustment

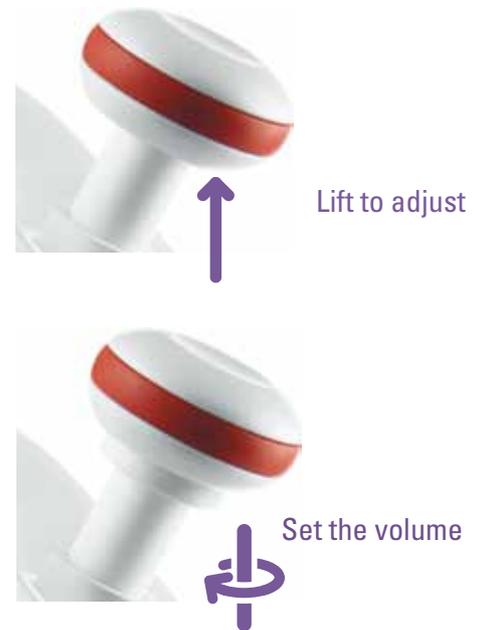
The user-friendly Set and Forget locking volume setting mechanism ensures the volume remains as set. To adjust the volume, lift the pipetting button up and set the volume. Then simply push the button back down and the volume is safely locked in place. Once the pipetting button is pushed down it rotates freely for extra comfort, without altering the volume settings.

Adjustable Finger Rest

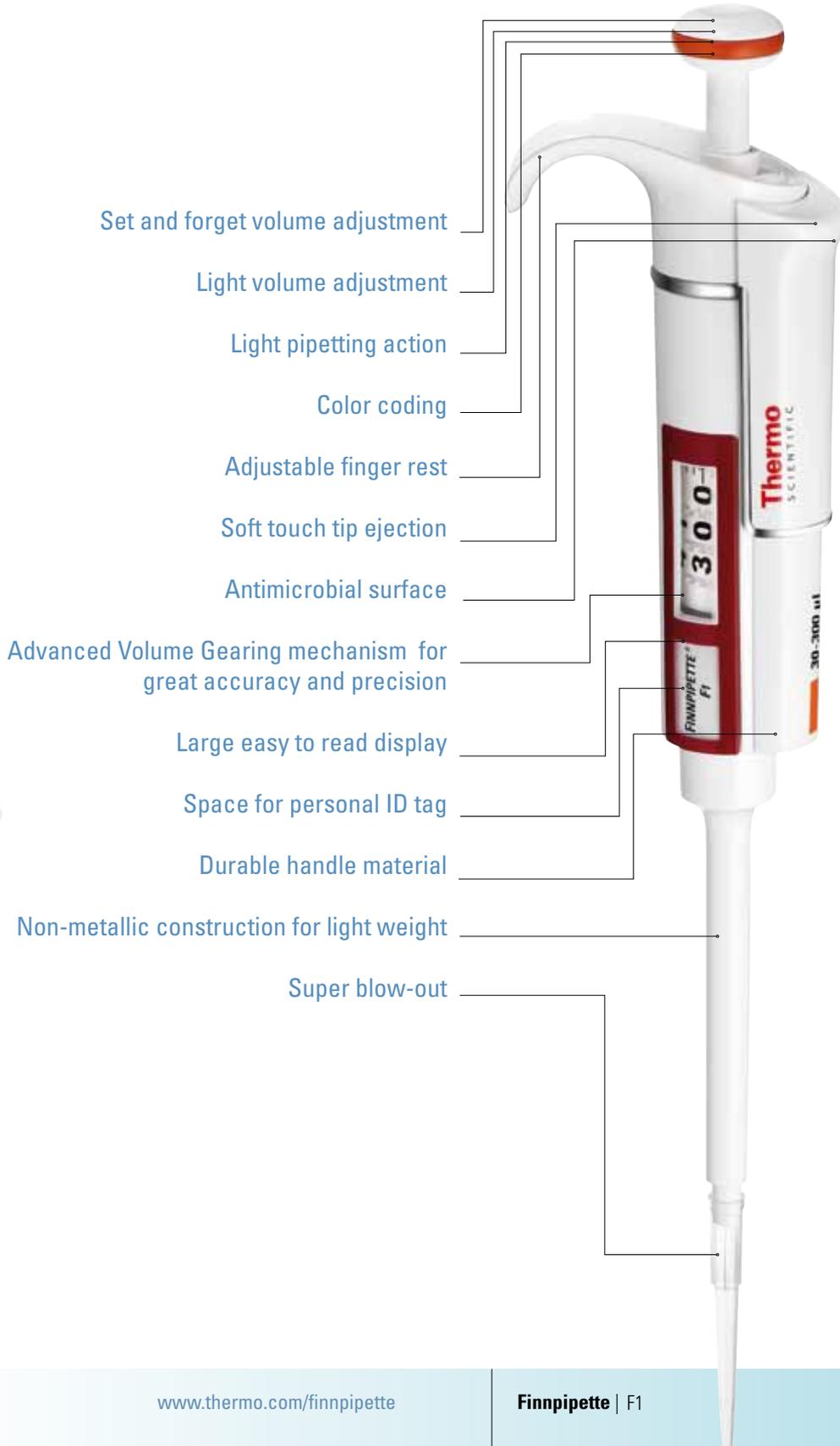
The Finnpiquette F1 has a novel adjustable finger rest that can be adjusted 120° to the most ergonomic and comfortable position for pipetting and tip ejection. The finger rest itself is wide and comfortable so you can hold the Finnpiquette F1 at the ideal pipetting angle and relax your hand between pipetting cycles. This makes repetitive pipetting less tiring and more comfortable, and reduces the risk of Repetitive Strain Injury (RSI).

Light Pipetting Action

The Finnpiquette F1 has a very light pipetting action that requires just a small amount of effort. Because of this, the risk of RSI is dramatically reduced too. And, with such a smooth and steady action, your pipetting will also be more accurate and precise, with better pipetting results over longer periods. The Finnpiquette F1 also features our patented super blow-out feature to ensure the delivery of micro-size drops. The super blow-out piston is incorporated in pipettes with volumes of 50µl and below.



Special Features



Set and forget volume adjustment

Light volume adjustment

Light pipetting action

Color coding

Adjustable finger rest

Soft touch tip ejection

Antimicrobial surface

Advanced Volume Gearing mechanism for great accuracy and precision

Large easy to read display

Space for personal ID tag

Durable handle material

Non-metallic construction for light weight

Super blow-out



Integrated Surface Protection

Common application areas include:

- Clinical laboratories
- Biotechnology laboratories
- Chemical laboratories
- Environmental laboratories
- Food laboratories

Large and Clear Ergovisio Display

The Finnpiquette F1 features a large easy to read Ergovisio display that makes setting volumes clear and easy. In addition, the fine adjustment ruler lets you easily check the last digit, which is presented against a clear linear scale. Precision is further ensured by the precision click volume adjustment, which enables volume increments between 0.002µl and 0.01ml depending on the model. In addition, there is a separate slot where ID tags can easily be placed beside the display. Several tags are provided with each Finnpiquette F1.

Soft Touch Tip Ejection

The Finnpiquette F1 minimizes the forces needed for tip ejection with our patented soft touch tip ejection mechanism. This innovative gearing mechanism produces more down force with less effort, releasing the tips with just a gentle push. In addition, the rounded tip ejector button is comfortable and ideal for use with gloves.

Select your Finnpiquette F1

Finnpiquette F1 pipettes are available in a range of single channel variable volume or fixed volume models.

Thermo Scientific Finnpiquette F1 – Multichannel Pipette

Finnpiquette F1 multichannel pipettes are available in 8-, 12-, and 16-channel models with a wide selection of volume ranges. As with the single channel Finnpiquette F1 pipettes, the AVG mechanism ensures a high level of accuracy and precision. The soft-touch tip ejection is especially useful on multichannel models, significantly reducing the effort needed to eject multiple tips. In addition, in the low volume models the super blow-out function ensures accurate dispensing for even the lowest volumes.



- **Integrated Surface Protection**
- **Set and forget - pipetting button**
- **Adjustable finger rest**
- **Very light and smooth pipetting action**
- **Super blow-out piston with volumes of 50µl and below**
- **Patented soft touch tip ejection**
- **5 year warranty with web registration**



Ordering Information

Finnpipette F1 Variable Volume Single Channel

| Cat.no. | Range | Incre- ment | Volume µl | Inaccuracy µl | % | Imprecision s.d.* µl | cv% | Color code | Finntip |
|---------|-------------|----------------|--------------|------------------|--------|-------------------------|-------|------------|--|
| 4641010 | 0.2-2 µl | 0.002 µl | 2 | ±0.050 | ±2.50 | 0.040 | 2.00 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | 1 | ±0.040 | ±4.00 | 0.040 | 3.50 | | |
| | | | 0.2 | ±0.024 | ±12.00 | 0.020 | 10.00 | | |
| 4641020 | 0.5-5 µl | 0.01 µl | 5 | ±0.080 | ±1.50 | 0.050 | 1.00 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | 2.5 | ±0.0625 | ±2.50 | 0.0375 | 1.50 | | |
| | | | 0.5 | ±0.030 | ±6.00 | 0.025 | 5.00 | | |
| 4641030 | 1-10 µl | 0.02 µl | 10 | ±0.100 | ±1.00 | 0.050 | 0.50 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | 5 | ±0.080 | ±1.50 | 0.040 | 0.80 | | |
| | | | 1 | ±0.025 | ±2.50 | 0.020 | 2.00 | | |
| 4641040 | 1-10 µl | 0.02 µl | 10 | ±0.100 | ±1.00 | 0.080 | 0.80 | Yellow | Flex 200, 250 Univ. |
| | | | 5 | ±0.080 | ±1.50 | 0.040 | 0.80 | | |
| | | | 1 | ±0.035 | ±3.50 | 0.030 | 3.00 | | |
| 4641050 | 2-20 µl | 0.02 µl | 20 | ±0.20 | ±1.00 | 0.08 | 0.40 | Turquoise | 20 micro, 50 micro |
| | | | 10 | ±0.15 | ±1.50 | 0.06 | 0.60 | | |
| | | | 2 | ±0.06 | ±3.00 | 0.05 | 2.50 | | |
| 4641060 | 2-20 µl | 0.02 µl | 20 | ±0.20 | ±1.00 | 0.08 | 0.40 | Yellow | Flex 200, 250 Univ. |
| | | | 10 | ±0.15 | ±1.50 | 0.06 | 0.60 | | |
| | | | 2 | ±0.06 | ±3.00 | 0.05 | 2.50 | | |
| 4641130 | 5-50 µl | 0.1 µl | 50 | ±0.30 | ±0.60 | 0.15 | 0.30 | Turquoise | 50 |
| | | | 25 | ±0.25 | ±1.00 | 0.125 | 0.50 | | |
| | | | 5 | ±0.15 | ±3.00 | 0.125 | 2.50 | | |
| 4641140 | 5-50 µl | 0.1 µl | 50 | ±0.30 | ±0.60 | 0.15 | 0.30 | Yellow | Flex 200, 250 Univ, Flex 300, 200 Ext. |
| | | | 25 | ±0.25 | ±1.00 | 0.125 | 0.50 | | |
| | | | 5 | ±0.15 | ±3.00 | 0.125 | 2.50 | | |
| 4641070 | 10-100 µl | 0.2 µl | 100 | ±0.80 | ±0.80 | 0.20 | 0.20 | Yellow | Flex 200, 250 Univ., Flex 300, 200 Ext. |
| | | | 50 | ±0.60 | ±1.20 | 0.20 | 0.40 | | |
| | | | 10 | ±0.30 | ±3.00 | 0.10 | 1.00 | | |
| 4641080 | 20-200 µl | 0.2 µl | 200 | ±1.20 | ±0.60 | 0.4 | 0.20 | Yellow | Flex 200, 250 Univ., Flex 300, 200 Ext. |
| | | | 100 | ±1.00 | ±1.00 | 0.4 | 0.40 | | |
| | | | 20 | ±0.36 | ±1.80 | 0.14 | 0.70 | | |
| 4641090 | 30-300 µl | 1 µl | 300 | ±1.80 | ±0.60 | 0.6 | 0.20 | Orange | Flex 300, 300 |
| | | | 150 | ±1.50 | ±1.00 | 0.6 | 0.40 | | |
| | | | 30 | ±0.45 | ±1.50 | 0.18 | 0.60 | | |
| 4641100 | 100-1000 µl | 1 µl | 1000 | ±6.00 | ±0.60 | 2.0 | 0.20 | Blue | Flex 1000, 1000, 1000 Ext. |
| | | | 500 | ±4.00 | ±0.80 | 1.5 | 0.30 | | |
| | | | 100 | ±1.00 | ±1.00 | 0.6 | 0.60 | | |
| 4641110 | 0.5-5 ml | 0.01 ml | 5000 | ±25.0 | ±0.50 | 10.0 | 0.20 | Green | 5 ml |
| | | | 2500 | ±17.5 | ±0.70 | 7.5 | 0.30 | | |
| | | | 500 | ±10.0 | ±2.00 | 4.0 | 0.80 | | |
| 4641120 | 1-10 ml | 0.02 ml | 10000 | ±50.0 | ±0.50 | 20.0 | 0.20 | Red | 10 ml, Flex 10 ml Ext. |
| | | | 5000 | ±40.0 | ±0.80 | 15.0 | 0.30 | | |
| | | | 1000 | ±20.0 | ±2.00 | 8.0 | 0.80 | | |

Ordering Information

Finnpipette F1 Variable Volume Multichannel

| Cat.no. | Channels | Range | Increment | Volume μ l | Inaccuracy μ l | % | Imprecision s.d.* μ l | cv% | Color code | Finntip |
|---------|----------|----------------|--------------|----------------|--------------------|-------------|---------------------------|------|------------|---------------------------------|
| 4661000 | 8 | 1.0-10 μ l | 0.02 μ l | 10 | ± 0.240 | ± 2.40 | 0.160 | 1.60 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | | 5 | ± 0.200 | ± 4.00 | 0.150 | 3.00 | | |
| | | | | 1 | ± 0.120 | ± 12.00 | 0.080 | 8.00 | | |
| 4661010 | 8 | 5-50 μ l | 0.1 μ l | 50 | ± 0.75 | ± 1.50 | 0.35 | 0.70 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 25 | ± 0.625 | ± 2.50 | 0.30 | 1.20 | | |
| | | | | 5 | ± 0.25 | ± 5.00 | 0.10 | 2.00 | | |
| 4661020 | 8 | 10-100 μ l | 0.2 μ l | 100 | ± 1.30 | ± 1.30 | 0.50 | 0.50 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 50 | ± 1.25 | ± 2.50 | 0.60 | 1.20 | | |
| | | | | 10 | ± 0.50 | ± 5.00 | 0.20 | 2.00 | | |
| 4661030 | 8 | 30-300 μ l | 1 μ l | 300 | ± 3.00 | ± 1.00 | 0.9 | 0.30 | Orange | Flex 300, 300 |
| | | | | 150 | ± 2.25 | ± 1.50 | 0.75 | 0.50 | | |
| | | | | 30 | ± 1.50 | ± 5.00 | 0.6 | 2.00 | | |
| 4661040 | 12 | 1.0-10 μ l | 0.02 μ l | 10 | ± 0.240 | ± 2.40 | 0.160 | 1.60 | Pink | Flex 10, 10, 50 micro |
| | | | | 5 | ± 0.200 | ± 4.00 | 0.150 | 3.00 | | |
| | | | | 1 | ± 0.120 | ± 12.00 | 0.080 | 8.00 | | |
| 4661050 | 12 | 5-50 μ l | 0.1 μ l | 50 | ± 0.75 | ± 1.50 | 0.35 | 0.70 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 25 | ± 0.625 | ± 2.50 | 0.30 | 1.20 | | |
| | | | | 5 | ± 0.25 | ± 5.00 | 0.10 | 2.00 | | |
| 4661060 | 12 | 10-100 μ l | 0.2 μ l | 100 | ± 1.30 | ± 1.30 | 0.50 | 0.50 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 50 | ± 1.25 | ± 2.50 | 0.60 | 1.20 | | |
| | | | | 10 | ± 0.50 | ± 5.00 | 0.20 | 2.00 | | |
| 4661070 | 12 | 30-300 μ l | 1 μ l | 300 | ± 3.00 | ± 1.00 | 0.90 | 0.30 | Orange | Flex 300, 300 |
| | | | | 150 | ± 2.25 | ± 1.50 | 0.75 | 0.50 | | |
| | | | | 30 | ± 1.50 | ± 5.00 | 0.60 | 2.00 | | |
| 4661080 | 16 | 1.0-10 μ l | 0.02 μ l | 10 | ± 0.240 | ± 2.40 | 0.160 | 1.60 | Purple | 20 micro, 50 micro |
| | | | | 5 | ± 0.200 | ± 4.00 | 0.150 | 3.00 | | |
| | | | | 1 | ± 0.120 | ± 12.00 | 0.080 | 8.00 | | |
| 4661090 | 16 | 5-50 μ l | 0.1 μ l | 50 | ± 0.75 | ± 1.50 | 0.35 | 0.70 | Turquoise | 50 micro |
| | | | | 25 | ± 0.625 | ± 2.50 | 0.30 | 1.20 | | |
| | | | | 5 | ± 0.25 | ± 5.00 | 0.10 | 2.00 | | |

Finnpipette F1 Fixed Volume Single Channel

| Cat.no. | Volume μ l | Inaccuracy μ l | % | Imprecision s.d.* μ l | cv% | Finntip |
|---------|----------------|--------------------|------------|---------------------------|------|---------------------------------|
| 4651000 | 1 | ± 0.040 | ± 4.00 | 0.040 | 4.00 | Flex 10, 10, 20 micro, 50 micro |
| 4651010 | 5 | ± 0.070 | ± 1.40 | 0.070 | 1.40 | Flex 10, 10, 20 micro, 50 micro |
| 4651020 | 10 | ± 0.090 | ± 0.90 | 0.080 | 0.80 | Flex 200, 250 Univ., 200 Ext. |
| 4651130 | 20 | ± 0.14 | ± 0.70 | 0.10 | 0.50 | Flex 200, 250 Univ., 200 Ext. |
| 4651030 | 25 | ± 0.15 | ± 0.60 | 0.13 | 0.50 | Flex 200, 250 Univ., 200 Ext. |
| 4651040 | 50 | ± 0.30 | ± 0.60 | 0.20 | 0.40 | Flex 200, 250 Univ., 200 Ext. |
| 4651050 | 100 | ± 0.40 | ± 0.40 | 0.30 | 0.30 | Flex 200, 250 Univ., 200 Ext. |
| 4651140 | 200 | ± 0.80 | ± 0.40 | 0.60 | 0.30 | Flex 200, 250 Univ., 200 Ext. |
| 4651060 | 250 | ± 1.0 | ± 0.40 | 0.8 | 0.30 | Flex 1000, 1000, 1000 Ext. |
| 4651070 | 500 | ± 1.5 | ± 0.30 | 1.5 | 0.30 | Flex 1000, 1000, 1000 Ext. |
| 4651080 | 1000 | ± 3.0 | ± 0.30 | 3.0 | 0.30 | Flex 1000, 1000, 1000 Ext. |
| 4651090 | 2000 | ± 6.0 | ± 0.30 | 4.0 | 0.20 | 5 ml |
| 4651100 | 3000 | ± 9.0 | ± 0.30 | 6.0 | 0.20 | 5 ml |
| 4651110 | 5000 | ± 15.0 | ± 0.30 | 10.0 | 0.20 | 5 ml |
| 4651120 | 10000 | ± 30.0 | ± 0.30 | 20.0 | 0.20 | 10 ml, Flex 10 ml Ext. |

Thermo Scientific Finnpipette F2

Finnpipette F2 – Single Channel Pipette

We designed the Thermo Scientific Finnpipette F2 by incorporating pipette user feedback. The F2 offers superior comfort, performance, reliability and repeatability in one of the lightest pipettes available.

Advanced Volume Gearing (AVG)

As accuracy and precision are the most vital aspects of any pipette, we developed the Finnpipette F2 with a self-supporting modular volume adjustment mechanism. Because the AVG mechanism is separated from the pipette body, its accuracy and precision, as well as its durability, are significantly improved. In addition, to eliminate the possible effects of hand warmth on the accuracy of your measurements, the AVG mechanism is thermally isolated from the pipette body.

Large Ergovisio Display

The Finnpipette F2 has a large easy to read Ergovisio display that makes setting volumes clear and easy. The fine adjustment ruler lets you easily check the last digit against a clear linear scale. This precision click volume adjustment enables volume increments as small as 0.002 μ l or 1 μ l depending on the pipette model. Beside the large display is a convenient space for the user's personal identity tag to help ensure that pipettes do not get mixed up or lost in the laboratory.

Light Pipetting Action

As always with Thermo Scientific Finnpipettes, the forces needed for pipetting are minimal. The design of the Finnpipette F2 allows users to depress the pipetting button with just a small amount of effort, for

light, smooth and steady pipetting action. This enables improved pipetting results over longer pipetting periods. In addition, the patented super blow-out feature ensures the delivery of micro-size drops. The super blow-out piston is incorporated into pipettes with volumes of 50 μ l and below.

Double Action Pipetting Button

The Finnpipette F2 has a revolutionary double-action pipetting button. An additional benefit is the rotating upper part of the button moves independently of the volume setting mechanism, to prevent unintentional changes in volume settings. Like the lower adjustment wheel, it is made of a softer plastic material to offer excellent grip with effortless volume adjustment.

Fully Autoclavable

High quality results depend on absolute sterility. To provide this and to prevent cross contamination, the Finnpipette F2 is autoclavable at 121°C. The entire pipette can be autoclaved in one piece or in separate pieces in a sterilization bag. The pipette is constructed with materials that have a high resistance to reagents, UV-light and moisture.

Soft Touch Tip Ejection

The force needed for tip ejection is minimized with our patented soft touch tip ejection mechanism. This innovative gearing mechanism produces more down force with less effort, releasing the tips with just a gentle push. In addition, the rounded tip ejector button is comfortable and ideal for use with gloves.



Special Features



Common application areas include:

- Clinical laboratories
- Biotechnology laboratories
- Chemical laboratories
- Environmental laboratories
- Food laboratories

Comfortable ergonomics

The Finnpiquette F2 has a supportive finger rest that lets you hold it at the ideal pipetting angle and lets your hand relax between pipetting cycles. As a result, it makes long periods of repetitive pipetting much more comfortable and less tiring, and reduces the risk of RSI. The tip ejector button is rounded and ergonomically designed to enable the most comfortable thumb position.

Easy In-lab Service and Calibration

The Finnpiquette F2 is very easy to service; simply open the pipette by removing the tip ejector by hand, and then use the handy maintenance tool to remove the tip cone. This same practical tool is used to adjust the pipette's calibration using the calibration nut located at the top of the pipette handle.

Thermo Scientific Finnpiquette F2 – Multichannel Pipette

The Finnpiquette F2 multichannel pipettes are available in 8-, 12-, and 16-channel models with a selection of volume ranges. As with the single channel Finnpiquette F2 pipettes, the AVG mechanism ensures a high level of accuracy and precision. In addition, in the low volume models the super blow-out function ensures accurate dispensing for even the lowest volumes.



- **Advanced Volume Gearing mechanism (AVG)**
- **Large Ergovisio display**
- **Double action pipetting button**
- **Very light and smooth pipetting action**
- **Fully autoclavable**
- **Super blow-out piston with volumes of 50 µl and below**
- **5 year warranty with web registration.**



Ordering Information

Finnpipette F2 Variable Volume Single Channel

| Cat.no. | Range | Increment | Volume μ l | Inaccuracy μ l | % | Imprecision s.d.* μ l | cv% | Color code | Finntip |
|---------|------------------|---------------|----------------|--------------------|-------------|---------------------------|-------|------------|---|
| 4642010 | 0.2-2 μ l | 0.002 μ l | 2 | \pm 0.050 | \pm 2.50 | 0.040 | 2.00 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | 1 | \pm 0.040 | \pm 4.00 | 0.035 | 3.50 | | |
| | | | 0.2 | \pm 0.024 | \pm 12.00 | 0.020 | 10.00 | | |
| 4642020 | 0.5-5 μ l | 0.01 μ l | 5 | \pm 0.075 | \pm 1.50 | 0.050 | 1.00 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | 2.5 | \pm 0.063 | \pm 2.50 | 0.0375 | 1.50 | | |
| | | | 0.5 | \pm 0.030 | \pm 6.00 | 0.025 | 5.00 | | |
| 4642030 | 1-10 μ l | 0.02 μ l | 10 | \pm 0.100 | \pm 1.00 | 0.050 | 0.50 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | 5 | \pm 0.075 | \pm 1.50 | 0.040 | 0.80 | | |
| | | | 1 | \pm 0.025 | \pm 2.50 | 0.020 | 2.00 | | |
| 4642040 | 1-10 μ l | 0.02 μ l | 10 | \pm 0.100 | \pm 1.00 | 0.080 | 0.80 | Yellow | Flex 200, 250 Univ. |
| | | | 5 | \pm 0.075 | \pm 1.50 | 0.040 | 0.80 | | |
| | | | 1 | \pm 0.035 | \pm 3.50 | 0.030 | 3.00 | | |
| 4642050 | 2-20 μ l | 0.02 μ l | 20 | \pm 0.20 | \pm 1.00 | 0.08 | 0.40 | Turquoise | 20 micro, 50 micro |
| | | | 10 | \pm 0.15 | \pm 1.50 | 0.06 | 0.60 | | |
| | | | 2 | \pm 0.06 | \pm 3.00 | 0.05 | 2.50 | | |
| 4642060 | 2-20 μ l | 0.02 μ l | 20 | \pm 0.20 | \pm 1.00 | 0.08 | 0.40 | Yellow | Flex 200, 250 Univ. |
| | | | 10 | \pm 0.15 | \pm 1.50 | 0.06 | 0.60 | | |
| | | | 2 | \pm 0.06 | \pm 3.00 | 0.05 | 2.50 | | |
| 4642120 | 5-50 μ l | 0.1 μ l | 50 | \pm 0.30 | \pm 0.60 | 0.15 | 0.30 | Turquoise | 50 |
| | | | 25 | \pm 0.25 | \pm 1.00 | 0.125 | 0.50 | | |
| | | | 5 | \pm 0.15 | \pm 3.00 | 0.125 | 2.50 | | |
| 4642130 | 5-50 μ l | 0.1 μ l | 50 | \pm 0.30 | \pm 0.60 | 0.15 | 0.30 | Yellow | Flex 200, 250 Univ., Flex 300, 200 Ext. |
| | | | 25 | \pm 0.25 | \pm 1.00 | 0.125 | 0.50 | | |
| | | | 5 | \pm 0.15 | \pm 3.00 | 0.125 | 2.50 | | |
| 4642070 | 10-100 μ l | 0.2 μ l | 100 | \pm 0.80 | \pm 0.80 | 0.20 | 0.20 | Yellow | Flex 200, 250 Univ., Flex 300, 200 Ext. |
| | | | 50 | \pm 0.60 | \pm 1.20 | 0.20 | 0.40 | | |
| | | | 10 | \pm 0.30 | \pm 3.00 | 0.10 | 1.00 | | |
| 4642080 | 20-200 μ l | 0.2 μ l | 200 | \pm 1.20 | \pm 0.60 | 0.40 | 0.20 | Yellow | Flex 200, 250 Univ., Flex 300, 200 Ext. |
| | | | 100 | \pm 1.00 | \pm 1.00 | 0.40 | 0.40 | | |
| | | | 20 | \pm 0.36 | \pm 1.80 | 0.14 | 0.70 | | |
| 4642090 | 100-1000 μ l | 1 μ l | 1000 | \pm 6.00 | \pm 0.60 | 2.00 | 0.20 | Blue | Flex 1000, 1000, 1000 Ext. |
| | | | 500 | \pm 4.00 | \pm 0.80 | 1.50 | 0.30 | | |
| | | | 100 | \pm 1.00 | \pm 1.00 | 0.60 | 0.60 | | |
| 4642100 | 0.5-5 ml | 0.01 ml | 5000 | \pm 25.0 | \pm 0.50 | 10.0 | 0.20 | Green | 5 ml |
| | | | 2500 | \pm 17.5 | \pm 0.70 | 7.5 | 0.30 | | |
| | | | 500 | \pm 10.0 | \pm 2.00 | 4.0 | 0.80 | | |
| 4642110 | 1-10 ml | 0.02 ml | 10000 | \pm 50.0 | \pm 0.50 | 20.0 | 0.20 | Red | 10 ml, Flex 10 ml Ext. |
| | | | 5000 | \pm 40.0 | \pm 0.80 | 15.0 | 0.30 | | |
| | | | 1000 | \pm 20.0 | \pm 2.00 | 8.0 | 0.80 | | |

Ordering Information

Finnpipette F2 Variable Volume Multichannel

| Cat.no. | Chan-nels | Range | Incre-ment | Volume μ l | Inaccuracy μ l | % | Imprecision s.d.* μ l | cv% | Color code | Finntip |
|---------|-----------|----------------|--------------|----------------|--------------------|-------------|---------------------------|------|------------|---------------------------------|
| 4662000 | 8 | 1.0-10 μ l | 0.02 μ l | 10 | \pm 0.240 | \pm 2.40 | 0.160 | 1.60 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | | 5 | \pm 0.200 | \pm 4.00 | 0.150 | 3.00 | | |
| | | | | 1 | \pm 0.120 | \pm 12.00 | 0.080 | 8.00 | | |
| 4662010 | 8 | 5-50 μ l | 0.1 μ l | 50 | \pm 0.80 | \pm 1.50 | 0.35 | 0.70 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 25 | \pm 0.625 | \pm 2.50 | 0.30 | 1.20 | | |
| | | | | 5 | \pm 0.25 | \pm 5.00 | 0.10 | 2.00 | | |
| 4662020 | 8 | 10-100 μ l | 0.2 μ l | 100 | \pm 1.30 | \pm 1.30 | 0.50 | 0.50 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 50 | \pm 1.25 | \pm 2.50 | 0.60 | 1.20 | | |
| | | | | 10 | \pm 0.50 | \pm 5.00 | 0.20 | 2.00 | | |
| 4662030 | 8 | 30-300 μ l | 1 μ l | 300 | \pm 3.0 | \pm 1.00 | 0.90 | 0.30 | Orange | Flex 300, 300 |
| | | | | 150 | \pm 2.25 | \pm 1.50 | 0.75 | 0.50 | | |
| | | | | 30 | \pm 1.5 | \pm 5.00 | 0.60 | 2.00 | | |
| 4662040 | 12 | 1.0-10 μ l | 0.02 μ l | 10 | \pm 0.240 | \pm 2.40 | 0.160 | 1.60 | Pink | Flex 10, 10, 20 micro, 50 micro |
| | | | | 5 | \pm 0.200 | \pm 4.00 | 0.150 | 3.00 | | |
| | | | | 1 | \pm 0.120 | \pm 12.00 | 0.080 | 8.00 | | |
| 4662050 | 12 | 5-50 μ l | 0.1 μ l | 50 | \pm 0.75 | \pm 1.50 | 0.35 | 0.70 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 25 | \pm 0.625 | \pm 2.50 | 0.30 | 1.20 | | |
| | | | | 5 | \pm 0.25 | \pm 5.00 | 0.10 | 2.00 | | |
| 4662060 | 12 | 10-100 μ l | 0.2 μ l | 100 | \pm 1.30 | \pm 1.30 | 0.50 | 0.50 | Yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | | 50 | \pm 1.25 | \pm 2.50 | 0.60 | 1.20 | | |
| | | | | 10 | \pm 0.50 | \pm 5.00 | 0.20 | 2.00 | | |
| 4662070 | 12 | 30-300 μ l | 1 μ l | 300 | \pm 3.00 | \pm 1.00 | 0.90 | 0.30 | Orange | Flex 300, 300 |
| | | | | 150 | \pm 2.25 | \pm 1.50 | 0.75 | 0.50 | | |
| | | | | 30 | \pm 1.50 | \pm 5.00 | 0.60 | 2.00 | | |
| 4662080 | 16 | 1.0-10 μ l | 0.02 μ l | 10 | \pm 0.240 | \pm 2.40 | 0.160 | 1.60 | Purple | 20 micro, 50 micro |
| | | | | 5 | \pm 0.200 | \pm 4.00 | 0.150 | 3.00 | | |
| | | | | 1 | \pm 0.120 | \pm 12.00 | 0.080 | 8.00 | | |
| 4662090 | 16 | 5-50 μ l | 0.1 μ l | 50 | \pm 0.75 | \pm 1.50 | 0.35 | 0.70 | Turquoise | 50 micro |
| | | | | 25 | \pm 0.625 | \pm 2.50 | 0.30 | 1.20 | | |
| | | | | 5 | \pm 0.25 | \pm 5.00 | 0.10 | 2.00 | | |

Finnpipette F2 Fixed Volume Single Channel

| Cat.no. | Volume μ l | Inaccuracy μ l | % | Imprecision s.d.* μ l | cv% | Finntip |
|---------|----------------|--------------------|------------|---------------------------|------|---------------------------------|
| 4652000 | 1 | \pm 0.040 | \pm 4.00 | 0.040 | 4.00 | Flex 10, 10, 20 micro, 50 micro |
| 4652010 | 5 | \pm 0.070 | \pm 1.40 | 0.070 | 1.40 | Flex 10, 10, 20 micro, 50 micro |
| 4652020 | 10 | \pm 0.090 | \pm 0.90 | 0.080 | 0.80 | Flex 200, 250 Univ., 200 Ext. |
| 4652030 | 25 | \pm 0.15 | \pm 0.60 | 0.13 | 0.50 | Flex 200, 250 Univ., 200 Ext. |
| 4652130 | 20 | \pm 0.14 | \pm 0.70 | 0.10 | 0.50 | Flex 200, 250 Univ., 200 Ext. |
| 4652040 | 50 | \pm 0.30 | \pm 0.60 | 0.20 | 0.40 | Flex 200, 250 Univ., 200 Ext. |
| 4652050 | 100 | \pm 0.40 | \pm 0.40 | 0.30 | 0.30 | Flex 200, 250 Univ., 200 Ext. |
| 4652140 | 200 | \pm 0.80 | \pm 0.40 | 0.60 | 0.30 | Flex 200, 250 Univ., 200 Ext. |
| 4652060 | 250 | \pm 1.0 | \pm 0.40 | 0.8 | 0.30 | Flex 1000, 1000, 1000 Ext. |
| 4652070 | 500 | \pm 1.5 | \pm 0.30 | 1.5 | 0.30 | Flex 1000, 1000, 1000 Ext. |
| 4652080 | 1000 | \pm 3.0 | \pm 0.30 | 3.0 | 0.30 | Flex 1000, 1000, 1000 Ext. |
| 4652090 | 2000 | \pm 6.0 | \pm 0.30 | 4.0 | 0.20 | 5 ml |
| 4652100 | 3000 | \pm 9.0 | \pm 0.30 | 6.0 | 0.20 | 5 ml |
| 4652110 | 5000 | \pm 15.0 | \pm 0.30 | 10.0 | 0.20 | 5 ml |
| 4652120 | 10000 | \pm 30.0 | \pm 0.30 | 20.0 | 0.20 | 10 ml, Flex 10 ml Ext. |

Good Laboratory Pipetting Kits

Including everything you need

The F1 and F2 Good Laboratory Pipetting kits are excellent starter packs, including all the items to start pipetting. This new GLP kit offers even more extensive volumes, for example – the very popular 0.2-2µl micro volume pipette.

An exceptional value, the Good Laboratory Pipetting kit includes three pipettes, a stand, and a sample tip rack for the price of two pipettes. The kit also includes a complimentary USB flash drive.



Thermo Scientific Finnpipe F1 GLP Kits

| 4700850 F1 Kit 1 (1-1000µl) | 4700860 F1 Kit 2 (0.2-1000µl) | 4700865 F1 Kit 3 (10-10000µl) |
|-----------------------------|-------------------------------|-------------------------------|
| F1 1-10µl pipette | F1 0.2-2µl pipette | F1 10-100µl pipette |
| F1 10-100µl pipette | F1 2-20µl pipette univ | F1 100-1000µl pipette |
| F1 100-1000µl pipette | F1 20-200µl pipette | F1 1000-10000µl pipette |
| F-stand | F1 100-1000µl pipette | F-stand |
| Flex 10 tray 1x96 | F-stand | Flex 200 tray 1x96 |
| Flex 200 tray 1x96 | Flex 10 tray 2x96 | Flex 1000 tray 1x96 |
| Flex 1000 tray 1x96 | Flex 200 tray 1x96 | FT 10ml tray 1x24 |
| F1 pen | Flex 1000 tray 1x96 | F1 pen |
| F1 brochure | F1 pen | F1 brochure |
| Pipetting Guide | F1 brochure | Pipetting Guide |
| Reagent reservoir demo pack | Pipetting Guide | Reagent reservoir demo pack |
| | Reagent reservoir demo pack | |

Thermo Scientific Finnpipe F2 GLP Kits

| 4700870 F2 Kit 1 (1-1000µl) | 4700880 F2 Kit 2 (0.2-1000µl) | 4700885 F2 Kit 3 (10-10000µl) |
|-----------------------------|-------------------------------|-------------------------------|
| F2 1-10µl pipette | F2 0.2-2µl pipette | F2 10-100µl pipette |
| F2 10-100µl pipette | F2 2-20µl pipette univ | F2 100-1000µl pipette |
| F2 100-1000µl pipette | F2 20-200µl pipette | F2 1000-10000µl pipette |
| F-stand | F2 100-1000µl pipette | F-stand |
| Flex 10 tray 1x96 | F-stand | Flex 200 tray 1x96 |
| Flex 200 tray 1x96 | Flex 10 tray 2x96 | Flex 1000 tray 1x96 |
| Flex 1000 tray 1x96 | Flex 200 tray 1x96 | FT 10ml tray 1x24 |
| F2 pen | Flex 1000 tray 1x96 | F2 pen |
| F2 brochure | F2 pen | F2 brochure |
| Pipetting Guide | F2 brochure | Pipetting Guide |
| Reagent reservoir demo pack | Pipetting Guide | Reagent reservoir demo pack |
| | Reagent reservoir demo pack | |



**FREE USB DRIVE
WITH EVERY KIT!**

- 3 or 4 Finnpipe F1/F2 pipettes
- 1 F-stand (6-position)
- 3 Racks Flex tips (1x96)
- 15 Disposable reservoirs (assorted)
- 1 USB drive
- 1 F-series pen, brochure & pipetting guide

Thermo Scientific Finnpiquette Novus



- Multilingual graphical user interface
- Backlit graphic display
- Great balance
- Easy to use
- Function for every pipetting application
- Variable speed to suit different reagents
- 2 year warranty with web registration



Setting the standard for ergonomic pipetting

Easy to Use

The Thermo Scientific Finnpipette Novus is so user-friendly that you'll learn how to use it in only a few minutes. With the intuitive menu and simple button layout, you can choose all the pipetting functions you need quickly and easily. The large backlit display is easy to read and shows the full names of all functions. The menu offers 10 different pipetting functions and nine pipetting speeds for pipetting applications.

Adjustable, trigger action pipetting

The finger rest ensures the most efficient pipetting position. It enables the optimum pipetting position for both left- and right-handed users and can be adjusted 120° to fit your hand exactly. The unique design leaves your index finger free to control pipetting with minimum effort via the trigger action pipetting button.

Comfortable to hold

The perfectly balanced handle fits comfortably and securely in your hand and helps keep the wrist at the correct angle to gain optimum pipetting results. Together with the finger rest, pipetting stress and exertion are kept to a minimum.

Lightweight

The Finnpipette Novus is the lightest electronic pipette on the market. Its advanced, lightweight construction helps to prevent upper body stress and strain, letting you work longer without fatigue.

Soft-touch tip ejector

Finnpipette Novus has a very low tip ejection force that minimizes strain on your thumb. The patented soft touch tip ejection mechanism has an improved ergonomic design that makes both left- and right-handed tip ejection efficient, comfortable, and incredibly easy.

Programmable and Powerful

Choose all the pipetting functions you need quickly and easily, including forward, reverse, diluting and stepper pipetting. The easily accessible second level menu features advanced functions, such as mixing and sequential stepping,

and has nine program slots. You can store one of the 10 pipetting functions and nine pipetting speeds. This programmability enables fast and efficient pipetting for every task. The Finnpipette Novus can also be programmed for use with the Finntip Pocket to enable the dispense of nanoliter volumes. Special tips incorporate molded pockets to allow transfer of compounds suspended in DMSO into an assay.

- Dispense with an index finger
- Optimum pipetting position
- Minimum stress and exertion
- Lightweight



The finger rest is 120° adjustable



Intuitive text-guided graphical user interface

Multilingual graphical user interface

The Finnpiquette Novus graphical interface is now available in seven languages: English, French, German, Italian, Spanish, Swedish and Japanese. The intuitive graphical user interface and simple button layout let you select all the pipetting functions and the desired language you need quickly and easily. Novus pipettes have nine convenient, built-in operations. You can store one of the ten pipetting programs in each slot with your own individual settings.

Backlit display

By eliminating light reflections and improving contrast in low light conditions such as safety cabinets and fume hoods, the integral backlit display ensures that the high-resolution menu characters are shown with more clarity than ever before.



The intuitive menu makes all the most commonly used functions, such as PIPETTE, easily available. Selecting PROGRAM accesses nine different user memory slots, which are available for storing your own combinations of the 10 different pipetting functions.

Finnpiquette Novus is the first electronic pipette family with a graphical interface in seven languages: English, French, German, Italian, Spanish, Swedish and Japanese..



The STEPPER function enables you to repeatedly dispense the volume you choose over a selected number of repetitions. This function is usually used in routine applications where efficient and high speed pipetting is needed.

Forward pipetting is function used most often. You can select the pipetting volume easily by pressing the scroll key.

- Fully graphical user interface
- Intuitive familiar menu
- Simple button layout
- Backlit display



Ordering Information

Finnpipette Novus specifications**

| Order no. | Range | Increment | Volume µl | Inaccuracy µl | % | Imprecision s.d.*µl | CV%* | Color code | Finntip |
|-----------|-------------|-----------|--------------|------------------|------|------------------------|------|------------|---------------------------------|
| 46200000 | 1-10 µl | 0.01 µl | 10 | ±0.10 | ±1.0 | 0.05 | 0.5 | pink | 10, Flex 10, 20 micro, 50 micro |
| | | | 1 | ±0.035 | ±3.5 | 0.03 | 3.0 | | |
| 46200100 | 1-10 µl | 0.01 µl | 10 | ±0.10 | ±1.0 | 0.05 | 0.5 | yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | 1 | ±0.07 | ±7.0 | 0.06 | 6.0 | | |
| 46200200 | 5-50 µl | 0.1 µl | 50 | ±0.40 | ±0.8 | 0.15 | 0.3 | turquoise | 50 |
| | | | 5 | ±0.15 | ±3.0 | 0.125 | 2.5 | | |
| 46200300 | 5-50 µl | 0.1 µl | 50 | ±0.40 | ±0.8 | 0.15 | 0.3 | yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | 5 | ±0.15 | ±3.0 | 0.125 | 2.5 | | |
| 46200400 | 10-100 µl | 0.1 µl | 100 | ±0.80 | ±0.8 | 0.20 | 0.2 | yellow | Flex 200, 250 Univ., 200 Ext. |
| | | | 10 | ±0.30 | ±3.0 | 0.10 | 1.0 | | |
| 46200500 | 30-300 µl | 1 µl | 300 | ±1.80 | ±0.6 | 0.6 | 0.2 | orange | Flex 300, 300 |
| | | | 30 | ±0.90 | ±3.0 | 0.21 | 0.7 | | |
| 46200600 | 100-1000 µl | 1 µl | 1000 | ±6.00 | ±0.6 | 2.0 | 0.2 | blue | 1000, 1000 Ext. Flex 1000 |
| | | | 100 | ±3.00 | ±3.0 | 0.6 | 0.6 | | |
| 46200700 | 0.5-5 ml | 0.01 ml | 5000 | ±30.0 | ±0.6 | 10.0 | 0.2 | green | 5 ml |
| | | | 500 | ±15.0 | ±3.0 | 4.0 | 0.8 | | |
| 46200800 | 1-10 ml | 0.01 ml | 10000 | ±60.0 | ±0.6 | 20.0 | 0.2 | red | 10 ml, Flex 10 ml Ext. |
| | | | 1000 | ±30.0 | ±3.0 | 8.0 | 0.8 | | |

* s.d. = Standard Deviation, CV = Coefficient of Variation.

** Factory calibration limits.

Finnpipette Novus Multichannel specifications**

| Order no. | Channels | Range | Increment | Volume µl | Inaccuracy µl | % | Imprecision s.d.*µl | CV%* | Color code | Finntip |
|-----------|----------|-------------|-----------|--------------|------------------|-------|------------------------|------|------------|---------------------------------|
| 46300000 | 8 | 1-10 µl | 0.1 µl | 10 | ±0.24 | ±2.4 | 0.16 | 1.6 | pink | Flex 10, 10, 20 micro, 50 micro |
| | | | | 1 | ±0.12 | ±12.0 | 0.08 | 8.0 | | |
| 46300100 | 12 | 1-10 µl | 0.1 µl | 10 | ±0.24 | ±2.4 | 0.16 | 1.6 | pink | Flex 10, 10, 20 micro, 50 micro |
| | | | | 1 | ±0.12 | ±12.0 | 0.08 | 8.0 | | |
| 46300200 | 8 | 5-50 µl | 0.1 µl | 50 | ±0.75 | ±1.5 | 0.35 | 0.7 | yellow | Flex 200, 200 Ext, 250 |
| | | | | 5 | ±0.25 | ±5.0 | 0.10 | 2.0 | | |
| 46300300 | 12 | 5-50 µl | 0.1 µl | 50 | ±0.75 | ±1.5 | 0.35 | 0.7 | yellow | Flex 200, 200 Ext, 250 |
| | | | | 5 | ±0.25 | ±5.0 | 0.10 | 2.0 | | |
| 46300400 | 8 | 30-300 µl | 1 µl | 300 | ±3.00 | ±1.0 | 0.90 | 0.3 | orange | Flex 300, 300 |
| | | | | 30 | ±1.50 | ±5.0 | 0.60 | 2.0 | | |
| 46300500 | 12 | 30-300 µl | 1 µl | 300 | ±3.00 | ±1.0 | 0.90 | 0.3 | orange | Flex 300, 300 |
| | | | | 30 | ±1.50 | ±5.0 | 0.60 | 2.0 | | |
| 46300700 | 16 | 5-50 µl | 0.5 µl | 50 | ±0.75 | ±1.5 | 0.35 | 0.7 | turquoise | 50 |
| | | | | 5 | ±0.25 | ±5.0 | 0.10 | 2.0 | | |
| 46300800 | 8 | 100-1200 µl | 1 µl | 1200 | ±12.00 | ±1.0 | 2.40 | 0.2 | turquoise | Flex 1200 |
| | | | | 100 | ±3.00 | ±3.0 | 0.90 | 0.9 | | |

* s.d. = Standard Deviation, CV = Coefficient of Variation.

** Factory calibration limits.

Thermo Scientific Finnpiquette Stepper

Stepper Pipettes

The Thermo Scientific Finnpiquette Stepper, a lightweight, easy-to-use repeater pipette, allows rapid repeat dispensing up to 45 times in succession without refilling. The universal Stepper handle is adapted for seven tip sizes*, to cover a dispensing volume range from 10 to 5000 μl . The handle is also available with an eight-channel module. Five delivery volumes are possible with each tip size. Simply attach the appropriate tip size, fill and prime the tip, and use the dial to select the volume. The ergonomic design of the handle makes it comfortable to use. For light, one-handed operation, the Stepper has a unique finger rest and dispensing lever. The Finnpiquette Stepper works on the positive displacement principle and is ideally suited for work with corrosive and viscous liquids. All seven Finntip Stepper sizes are available in sterilized and unsterilized versions. Sterilized tips are individually packaged.

*Adapter required for attaching the 25 and 50 ml tips.

Multistepper Pipettes

The eight channel Thermo Scientific Finnpiquette Multistepper, designed especially for work with Microtiter microplates, helps to speed up routine laboratory procedures. With a single loading, the Multistepper can deliver $24 \times 50 \mu\text{l} = 192$ wells, $12 \times 100 \mu\text{l} = 96$ wells, $8 \times 150 \mu\text{l} = 64$ wells, $6 \times 200 \mu\text{l} = 48$ wells or $5 \times 250 \mu\text{l} = 40$ wells. The eight channels are calibrated to simultaneously dispense exactly the same amount of liquid. The Multistepper works on the air displacement principle. It is comfortable to use - simply attach, fill and prime the module and dial in the selected volume. The same universal handle fits both the multichannel module and the seven, single channel Finntip Steppers.



Thermo Scientific Finntip Multistepper tips are suitable for repeat dispensing of:

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

Ordering Information

Finnpipette Stepper

| Cat. no. | Description | Volume |
|----------|---------------------|------------|
| 4540 000 | Finnpipette Stepper | 10-5000 µl |

Adapter

| Cat. no. | Description | Quantity |
|----------|-----------------|----------|
| 9420 300 | Adapter | 10/box |
| 9420 310 | Adapter/sterile | 5/box |

Finntip Stepper**

| Cat. no. | Capacity | Dispensing Volume (µl) | Inaccuracy | | Imprecision | |
|----------|----------|------------------------|------------|------|-------------|-------|
| | | | µl | % | s.d.*µl | CV %* |
| 9404 170 | 500 µl | 50 | ±0.5 | ±1.0 | 0.3 | 0.6 |
| | | 10 | ±0.1 | ±1.0 | 0.1 | 1.0 |
| 9404 180 | 1250 µl | 125 | ±1.0 | ±0.8 | 0.6 | 0.5 |
| | | 25 | ±0.2 | ±0.8 | 0.2 | 0.8 |
| 9404 190 | 2500 µl | 250 | ±2.0 | ±0.8 | 0.8 | 0.3 |
| | | 50 | ±0.4 | ±0.8 | 0.4 | 0.7 |
| 9404 200 | 5.0 ml | 500 | ±4.0 | ±0.8 | 1.0 | 0.2 |
| | | 100 | ±0.8 | ±0.8 | 0.5 | 0.5 |
| 9404 210 | 12.5 ml | 1250 | ±7.5 | ±0.6 | 2.5 | 0.2 |
| | | 250 | ±1.5 | ±0.6 | 1.0 | 0.4 |
| 9404 220 | 25 ml | 2500 | ±12.5 | ±0.5 | 7.5 | 0.3 |
| | | 500 | ±2.5 | ±0.5 | 2.5 | 0.5 |
| 9404 230 | 50 ml | 5000 | ±25.0 | ±0.5 | 15.0 | 0.3 |
| | | 1000 | ±5.0 | ±0.5 | 5.0 | 0.5 |

For additional information on Finntip Stepper package sizes, see page 34. * s.d. = Standard Deviation, CV = Coefficient of Variation ** Factory calibration limits.

Finnpipette Multistep**

| Cat. no. | Channels | Capacity | Disp.vol. (µl) | Increment | Volume | Inaccuracy | | Imprecision | | Finntip |
|------------------------|----------|----------|----------------|-----------|--------|------------|------|-------------|-------|-----------|
| | | | | | | µl | % | s.d.*µl | CV %* | |
| 4540 500 ¹⁾ | 8 | 1250 µl | 50-250 | 50 µl | 250 µl | ±5.0 | ±2.0 | 5.0 | 2.0 | Multistep |
| 2206 590 ²⁾ | 8 | 1250 µl | 50-250 | 50 µl | 250 µl | ±5.0 | ±2.0 | 5.0 | 2.0 | Multistep |

* s.d. = Standard Deviation, CV = Coefficient of Variation ** Factory calibration limits. 1) Handle and module 2) Module only

Finntip Multistep

| Cat. no. | Description | Quantity |
|----------|---------------------------|------------|
| 9401 300 | Finntip Multistep | 400/box |
| 9401 330 | Finntip Multistep | 10x96/rack |
| 9401 333 | Finntip Multistep sterile | 10x96/rack |

Thermo Scientific Finnpipette Dispenser

Finnpipette Dispenser

The Thermo Scientific Finnpipette Dispenser is the best tool for dosing liquids from reagent bottles. Six models are available covering all the volumes between 0.2 and 60 ml. The dispenser ensures the safety of the end user even when handling aggressive liquids. The adjusted volume does not change due to the quick-click volume adjustment wheel. The volumes are absolutely reproducible and no reagent is wasted. The dispenser is

user-friendly, since it can be autoclaved without disassembling. The unwearable ceramic piston enables working with liquids from 4 to 50°C. In addition to the A28, S40 and A45 adapters provided in the package, two additional adapters, A25 and A38, are available. The extended suction and discharge tubes provide reachability in applications that require very large reagent bottles, or for example, test tubes that cannot be moved.



- Fully autoclavable
- Exact self-locking system in the volume setting
- Pure ceramic piston
- Suitable for warm and cold liquids
- Comprehensive volume range



Finnpipette Dispenser

| Cat. no. | Volume range | Volume μ l | Inaccuracy | | Imprecision | |
|----------|--------------|----------------|-------------|----------|-------------|-----|
| | | | $\pm \mu$ l | $\pm \%$ | μ l | % |
| 4421120 | 0.2-1.0 ml | 1000 | 6.0 | 0.6 | 2.0 | 0.2 |
| | | 500 | 6.0 | 1.2 | 2.0 | 0.4 |
| | | 200 | 6.0 | 3.0 | 2.0 | 1.0 |
| 4421130 | 0.4-2.0 ml | 2000 | 12.0 | 0.6 | 4.0 | 0.2 |
| | | 1000 | 12.0 | 1.2 | 4.0 | 0.4 |
| | | 400 | 12.0 | 3.0 | 4.0 | 1.0 |
| 4421140 | 1.0-5.0 ml | 5000 | 30.0 | 0.6 | 10.0 | 0.2 |
| | | 2500 | 30.0 | 1.2 | 10.0 | 0.4 |
| | | 1000 | 30.0 | 3.0 | 10.0 | 1.0 |
| 4421150 | 2.0-10.0 ml | 10000 | 60.0 | 0.6 | 20.0 | 0.2 |
| | | 5000 | 60.0 | 1.2 | 20.0 | 0.4 |
| | | 2000 | 60.0 | 3.0 | 20.0 | 1.0 |
| 4421160 | 5.0-30.0 ml | 30000 | 180.0 | 0.6 | 60.0 | 0.2 |
| | | 15000 | 180.0 | 1.2 | 60.0 | 0.4 |
| | | 5000 | 180.0 | 3.6 | 60.0 | 1.2 |
| 4421170 | 10.0-60.0 ml | 60000 | 360.0 | 0.6 | 120.0 | 0.2 |
| | | 30000 | 360.0 | 1.2 | 120.0 | 0.4 |
| | | 10000 | 360.0 | 3.6 | 120.0 | 1.2 |

Accessories

| Cat. no. | Description | Qty / Unit |
|----------|---|----------------|
| 4421270 | Finnpipette Dispenser 0.2-10ml extended suction tube | 1 |
| 4421280 | Finnpipette Dispenser 5-60ml extended suction tube | 1 |
| 4421290 | Finnpipette Dispenser 0.2-10 ml extended discharge tubing | 1 |
| 4421300 | Finnpipette Dispenser 5-60 ml extended discharge tubing | 1 |
| 4421260 | A25 A38 adapter box | 2 adapters/box |

Thermo Scientific Finnpiquette C1

The Finnpiquette C1

This portable, lightweight serological pipette holder is designed for use with graduated and volumetric glass and plastic pipets from 1 ml to 100 ml. The Finnpiquette C1 offers simple, efficient pipetting performance with maximum pipetting comfort.

Total control of pipetting

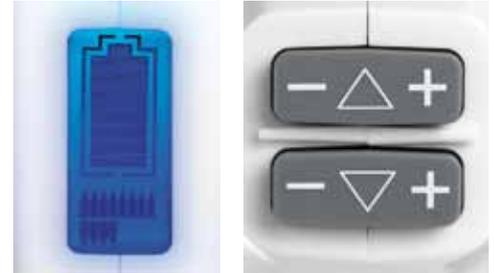
The Finnpiquette C1 excels in offering total control of pipetting due to eight speed alternatives for both aspiration and dispensing. It also enables two different ways of “gravity only” dispensing. Additional control is gained from the 1 ml pipette support that stabilizes pipetting with narrow 1 ml pipets. The Finnpiquette C1 also has a large illuminated LC display, that shows battery charge and pump speeds for both aspiration and dispensing. The display alarms with a blinking light when the battery charge gets low.

Lithium-ion battery technology

Effective and comfortable to operate, the Finnpiquette C1 features a heavy-duty lithium-ion battery that allows the pipettor to operate continuously, approximately three times longer than regular units using nickel cadmium batteries. The lithium-ion battery can be recharged in just three hours. A universal power supply is automatically delivered with the unit.

Compact storage between applications

Both a wall-mounted holder and a table-mounted holder are included in the package.



- **Lithium-ion technology – provides up to 15 hours of continuous operating**
- **Lightweight ergonomic design**
- **Autoclavable silicon adapter**
- **1 ml pipette support**
- **Two ways of “gravity only” dispensing**
- **Universal power supply**
- **Fast recharging**
- **2-year warranty with web registration**

Finnpiquette C1 Technical Specifications

| | |
|---------------------------------|---|
| Aspirate Speeds | 8 options |
| Dispense Speeds | 8 options (+ gravity dispense) |
| Battery | Lithium-ion |
| Approx. Runtime Between Charges | 15 hours of continuous use |
| Recharge Time | 3 hours |
| Weight | 220 g |
| Nosecone Pipet Holder | Autoclavable silicone rubber |
| Pipet Compatibility | All major brands of glass or plastic serological pipets, 1 ml to 100 ml |
| Filter Assembly | 0.45 micron standard |
| Filter Material | PTFE |

Product specifications are subject to change without prior notice.

Ordering Information

| Cat. no. | Description | Qty / Unit |
|------------------------------------|--------------------------|------------|
| 4580800 | Finnpiquette C1 | 1 |
| Filters | | |
| 4580560 | Filter, non-sterile | 5/bag |
| 4580570 | Filter, sterile | 5/bag |
| Accessories and spare parts | | |
| 22280 | Pipette gripper housing | 1 |
| 22278 | Silicone pipette gripper | 1 |
| 22300 | Table mounted holder | 1 |
| 22302 | Wall mounted holder | 1 |

Pipette accessories

Pipette stands

We offer a variety of pipette stands to store multiple or single pipettes. To ensure safety and convenience, pipettes must be protected and stored safely, preferably in an upright position.

The Finnpiquette F-stand accommodates six pipettes. The sturdy crossbar structure with a slot for each pipette ensures that the pipettes will sit snugly in the stand. The Finnpiquette F-stand is suitable for both single channel and multichannel pipettes.

The new Finnpiquette multichannel stand is a multi-position stand for a multichannel pipette. The pipette

can be stored in an upright position or in a horizontal position. The stand has a small footprint and can accommodate all multichannel Thermo Scientific Finnpiquettes. The Finnpiquette Novus stand is designed for convenient storage of an electronic Finnpiquette Novus pipette. Both single channel and multichannel Finnpiquette Novus models can be used with ease.

Autoclavable or disposable reagent reservoirs for a variety of applications

The autoclavable reagent reservoirs are suitable for many purposes. They come in three different models. The V-shaped bottom of the 60

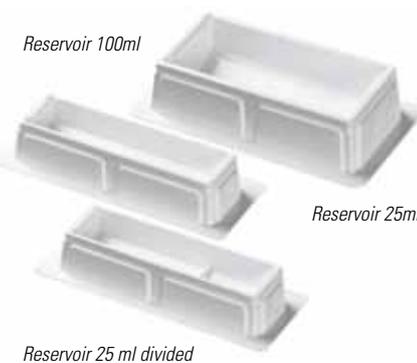
ml reservoir ensures the recovery of liquids, whereas the divided reservoirs reduce reagent costs. These non-autoclavable disposable reagent reservoirs are made of polystyrene and have three designs ranging from 25 to 100 ml. They assure safety, not only due to the extra-wide base that offers stability but also due to the pour-off spouts that are located in all four corners. All the disposable reservoirs have a V-shaped bottom that maximizes recovery of liquids. In addition, the divided reservoir saves time and reagent costs by enabling handling of two liquids at the same time, also in smaller volumes.



New! Multichannel Stand



New! F-Stand



Reservoir 100ml

Reservoir 25ml

Reservoir 25 ml divided

Pipette stands and hangers

| Cat. no. | Description |
|----------|--|
| 9420400 | NEW! Finnpiquette F-Stand (for 6 pipettes) |
| 9420390 | NEW! Finnpiquette Multichannel Stand (for one pipette) |
| 9420 340 | Finnpiquette Carousel Stand (6 pipettes or 3 Novus) |
| 9420290 | Pipette stand* (for 6 pipettes) |
| 9420320 | Pipette mini stand (for 3 pipettes) |
| 2206040 | Shelf hanger* |
| 9420360 | Novus stand (for one pipette) |

* Fits all Finnpiquette models with a grippy finger rest.

Reagent basin and reservoirs

| Cat. no. | Description | Quantity |
|----------|---|----------|
| 9510027 | Reagent basin, 60 ml , autoclavable, (140x48x25)mm | 5/box |
| 9510037 | Reservoir, 8-well , 8x12,5ml, autoclavable, (128x86x37)mm | 10/box |
| 9510047 | Reservoir, 1-well , 100ml, autoclavable, (128x86x37)mm | 10/box |
| 95128093 | Reagent Reservoir 25ml, (147x59x23)mm | 100/box |
| 95128095 | Reagent Reservoir 25ml divided, (147x59x23)mm | 100/box |
| 95128085 | Reagent Reservoir 100ml, (147x85x31)mm | 100/box |
| 95128080 | Reagent Reservoir demo package | 15/box |

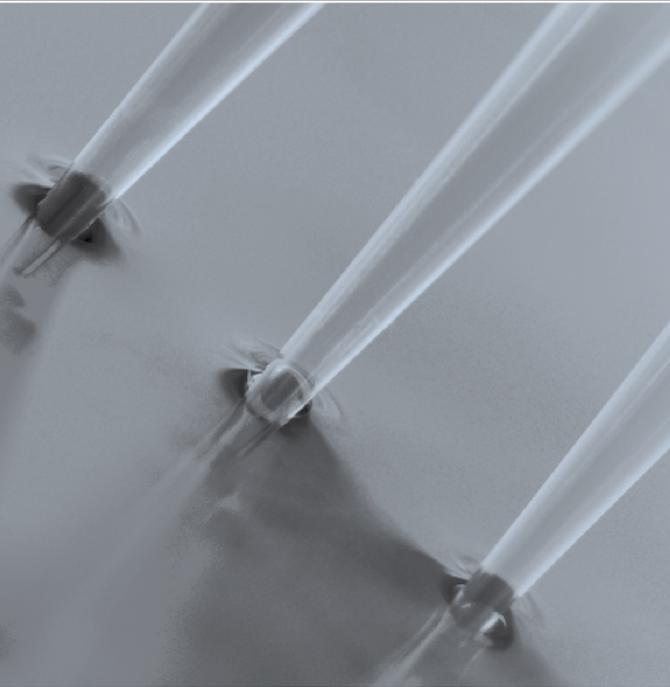
02

Thermo Scientific Finntip

New products

- Finntip Flex 10 and refill kits
- Finntip Flex 200 and refill kits

Finntips are fully compatible with both old and new Finnpipettes, providing optimal liquid handling results. The new Finntip Flex system is the latest breakthrough in pipette technology that offers flexible, soft and sophisticated high-end tips. All Finntips and Finntip Flex tips are available in easy-to-open, fully autoclavable operation racks and space-saving refill kits.



Thermo Scientific Finntip Flex

– A new peak in tip technology

Flexible in every way

The new Thermo Scientific Finntip Flex system is the latest breakthrough in pipette tip technology that offers flexible, soft and sophisticated high-end tips for discerning users. The Finntip Flex system consists of new generation, easy-to-use 10 µl, 200 µl, 300 µl, 1000 µl and 1200 µl tips, tip 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 thin wall molding technology, 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 10 µl, 200 µl, 300 µl, 1000 µl and 1200 µl, and come as standard racked tips, sterile tips or filter tips.

Non-slip 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. Thanks to the new sturdy base and non-slip 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.

Extra smooth tip surface

All Flex tips are molded with a diamond polished tooling. The diamond polishing creates an extra smooth surface to the tip and improves the tip transparency. The smooth tip wall surface prevents liquid retention and enables to achieve better pipetting precision values compared to the non-polished tip. The increased precision is most beneficial with small volume pipetting where precision values can be improved by approximately 50%. When aspirating difficult liquids (e.g. BSA), the extra smooth surface diminishes the creation of bubbles.

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



Finntip Flex 10



Finntip Flex 200



Finntip Flex 300

* Repetitive strain injury



Finntip Flex Tips



Finntip Flex 1000



Finntip Flex 1200

NEW Finntip Flex 10 - 0.1-10 µl

The Finntip Flex 10 tips is designed for ergonomic micro volume pipetting. The tip has extremely low attachment and ejection forces which make them excellent for FinnpiPETTE single and Multichannels. The tip has an elongated slim-line shape for better reach into test tubes or long neck vessels. Finntip Flex 10 tips come in various packaging options and sizes, including vacuum sealed sterile racks and practical refill kits.

NEW Finntip Flex 200 – 1-200µl

The Finntip Flex 200 tips have low attachment and ejection forces which make them excellent for FinnpiPETTE single and multichannels. The tip has an elongated slim-line shape for pipetting with test tubes or long neck vessels using FinnpiPETTE single channels. Finntip Flex 200 tips come in various packaging options and sizes, including vacuum sealed sterile racks and practical refill kits.

Finntip Flex 300 – 5-300 µl

The Finntip Flex 300 tips have low attachment and ejection forces which make them excellent for FinnpiPETTE single and Multichannels. The tip has an elongated slim-line shape for pipetting with test tubes or long neck vessels using FinnpiPETTE single channels. Finntip Flex 300 tips come in various packaging options and sizes, including vacuum sealed sterile racks and practical refill kits.

Finntip Flex 1000 – 50-1000 µl

This mid-size tip has low attachment and ejection forces, and with its elongated slim lined shape to pipette with test tubes or long neck vessels, makes it excellent for use with FinnpiPETTE single channels. These new tips come in various packaging options, and are available as standard and sterilized racked tips as well as refill kits.

Finntip Flex 1200 – 50-1200 µl

Flex 1200 tips are designed specially for the FinnpiPETTE Novus 1200 multichannel pipette. The wider than normal tip orifice enables precise and accurate stepping results. Flex 1200 tips are available as standard and sterilized racks as well as refill kits.

NEW Finntip Flex 10 Extended – 1-10 ml

The Finntip Flex 10 extended tip is 267 millimeters long, and is the longest reaching tip in the market. The tip is very narrow and has been designed to reach to the bottom of normal laboratory 1 liter reagent bottles, and fits into most volumetric flasks. The latest molding technique combined with the FinnpiPETTE tip cone design enables very low attachment and ejection forces to avoid stress related injuries. The wider 2,2 millimeter orifice enables better accuracy and precision when stepping, and has graduations between 1 milliliters for quick volume check. Finntip Flex 10 extended tip is also available as a filter tip and as sterile to avoid contamination. Finntip Flex 10 ml extended is only available in bags to save labs space.

Finntip Flex Refill Kits

The innovative Finntip Flex 10, 200, 300, 1000, and 1200 refill systems are very easy to use. Just place the refill tower on top of an empty Flex rack and with a single click the new tip matrix plate is placed. The following tip matrix in the tower slides automatically in place to be ready for next refill action. The tip matrix plates are secured from dust inside the refill tower case. The Finntip Flex 10, 200, and 300 refill kits contain two refill towers with ten matrix plates per tower. The Finntip Flex 1000 and 1200 refill kits contain two refill towers with eight matrix plates per tower. The compact size of the refill tower helps save lab space and helps to reduce lab waste since the existing Finntip Flex racks can be used. Finntip Flex refill kits are available as Refill Starter kit which contains two refill towers and one rack and Refill kit which contains two refill towers.



Finntip Flex 1200 Refill Starter Kit

Finntip Pipette Tips

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 F1 and F2 pipettes (0.2-2 µl, 0.5-5 µl and 1-10 µl single channels and the 1-10 µl multichannels). Finntip 10 is 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. Finntip 20 tips are designed to be used with Finnpipette 16-channel pipettes.

Finntip 50 – 0.2-50 µl

Finntip 50 is designed for the Finnpipette 16-channels.

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 also 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

Finntip 300 is specially designed for the 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 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 10



Finntip 20



Finntip 50



Finntip 1000 Ext

- **Wide range of tips**
- **Enhanced pipetting performance**

Finntip Pipette Tips

Finntip 5 ml – 0.5-5 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 – 1-10 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 and racks can be autoclaved at 121°C (252°F) for 20 minutes, except Finntip Filter and Finntip Stepper. Sterile versions of these tips are available.

Finntip Refill Starter Kit

Thermo Scientific Finntip Refill Starter Kits contain 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.

Finntip Refill Kit

Thermo Scientific Finntip Refill kits contain two refill towers with ten matrix plates per tower. Refill kits are available for volume ranges of 250 µl and 10 µl. Both kits are suitable for use with single and multi-channel pipettes

Application areas of Finntips:

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



Finntip 250



Finntip 200 Ext



Finntip Universal 250 µl Refill Starter Kit



Finntip 1000



Finntip 5 ml



Finntip 10 ml

Finntip Filter Tips

Certified Filter Tips

The Thermo Scientific Finntip Filter range of pipette tips provides certified protection against contamination for both sample and pipette. The non-sealing filter prevents the transfer of aerosols from tip to pipette and vice versa, ensuring the integrity of any pipetting function. Produced in a controlled environment with gamma-irradiation, Finntip Filter pipette tips are certified free from DNA, DNase, RNase and Endotoxin. Finntip Filters are therefore ideal for all applications, especially sensitive procedures such as PCR-based reactions. With extremely low sample retention, the tips are also perfect for pipetting small volumes or valuable compounds.

NEW Finntip Flex Filter Tips

The new Thermo Scientific Finntip Flex Filter tip is the latest breakthrough in pipette tip technology that offers flexible, soft and sophisticated high-end tips for discerning users. The special thin wall of the Finntip Flex tips is designed to enhance the pipetting ergonomics. The thin wall makes the tip more soft and 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. 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.

Finntip Flex Filter tips, as with all Sterile and Filter Finntips, are certified* to be free from DNA, DNase RNase and Endotoxin, making them essential where cross contamination is a major concern and so ideal for use in research applications such as biomolecular assays. Made of an inert non-sealing polyethylene matrix, the filter is effective at eliminating carry-over contamination from liquids and aerosols between pipette and tip,

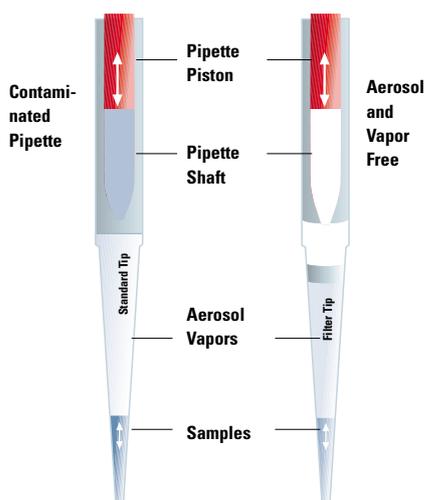
and permits sample recovery after accidental ingress without any loss of integrity. Finntip Flex Filter tips are available in 10, 30, 100, 200, 300, 1000, 1200 µl and 10 ml Ext volumes.

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, and for applications requiring sterility, they are supplied in irradiated tip racks. Convenient sizes are available to fit 0.2 µl-10 ml Finnpiettes. 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.

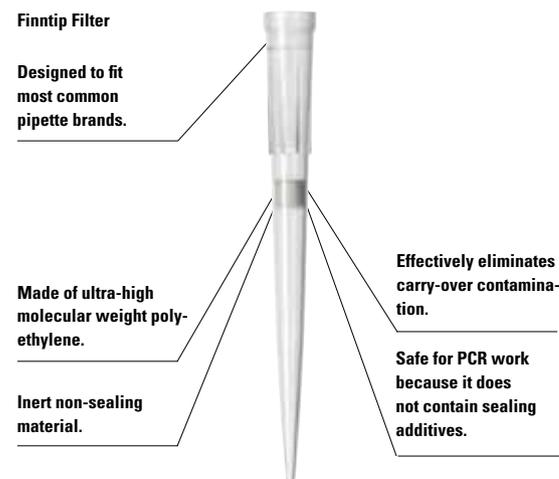
- The filter is made of ultra-high molecular weight polyethylene
- Filter tips are optimized for use with Finnpiettes
- Fits most common pipette brands

Comparison of Standard Tip and Finntip Filter



This figure shows the difference between Finntip Filter and a standard tip. The non-sealing filter prevents contamination of the pipette's shaft.

Special Features of Finntip Flex Filters



* Finntip steriles are certified to be free of Endotoxin, DNA, DNase and RNase

Finntip Special Tips

Finntip BioCon 10 µl, 250 µl and 1000 µl

Designed for applications that demand the utmost in biological purity, the individually packed Finntip BioCon tips are guaranteed free of any biological contamination including endotoxins, DNA, DNase and RNase. They are pre-sterilized with gamma radiation, making them safe for medical, pharmaceutical and food industries, PCR applications, as well as molecular biology and cell technology. A certificate of quality 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 Multistepplers are also available in racks of 96 tips, and in sterile or non-sterile versions.

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 eliminates 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.

Several packaging options are available including autoclavable racks and bags of 960 tips.

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 Pocket – 50 nl and 250 nl

The Finntip Pocket makes it possible to dispense nanoliter volumes with handheld pipettes. The tips have a molded pocket inside to allow

transfer of compounds suspended in DMSO into an assay. The Finntip Pocket makes it possible to perform assays quicker because it eliminates the need for intermediate dilutions. It also reduces reagent costs through miniaturization and provides excellent mixing. The Finntip Pocket delivers 50 nl or 250 nl of compound in DMSO directly to selectivity assays (P450), potency determinations (IC50), cell-based or low-DMSO tolerant assays, kinetic assays, FRET assays, primary screening and others. Demovideos available at www.thermo.fi/finnpipette



Finntip Stepper



Finntip Pocket

Ordering Information

NEW Finntip Flex 10



| Cat. no. | Description | Quantity |
|----------|------------------------------------|--------------------------|
| 94060100 | Finntip Flex 10 | 10x96/rack |
| 94060103 | Finntip Flex 10 sterile* | 10x96/rack |
| 94060116 | Finntip Flex 10 refill starter kit | 1x96/rack + 20x96/refill |
| 94060117 | Finntip Flex 10 refill kit | 20x96/refill |
| 94060120 | Finntip Flex 10 | 1000/bag |

Color code: Pink Length: 3.3 cm

NEW Finntip Flex 200



| Cat. no. | Description | Quantity |
|----------|-------------------------------------|--------------------------|
| 94060310 | Finntip Flex 200 | 10x96/rack |
| 94060313 | Finntip Flex 200 sterile* | 10x96/rack |
| 94060316 | Finntip Flex 200 refill starter kit | 1x96/rack + 20x96/refill |
| 94060317 | Finntip Flex 200 refill kit | 20x96/refill |
| 94060320 | Finntip Flex 200 | 1000/bag |

Color code: Yellow Length: 6.0 cm

Finntip Flex 300



| Cat. no. | Description | Quantity |
|----------|-------------------------------------|--------------------------|
| 94060510 | Finntip Flex 300 | 10x96/rack |
| 94060513 | Finntip Flex 300 sterile* | 10x96/rack |
| 94060516 | Finntip Flex 300 refill starter kit | 1x96/rack + 20x96/refill |
| 94060517 | Finntip Flex 300 refill kit | 20x96/refill |
| 94060520 | Finntip Flex 300 | 1000/bag |

Color code: Orange Length: 6.15 cm

Finntip Flex 1000



| Cat. no. | Description | Quantity |
|----------|--------------------------------------|--------------------------|
| 94060710 | Finntip Flex 1000 | 10x96/rack |
| 94060713 | Finntip Flex 1000 sterile* | 10x96/rack |
| 94060716 | Finntip Flex 1000 refill starter kit | 1x96/rack + 16x96/refill |
| 94060717 | Finntip Flex 1000 refill kit | 16x96/refill |
| 94060720 | Finntip Flex 1000 | 1000/bag |

Color code: Blue Length: 8.7 cm

Finntip Flex 1200



| Cat. no. | Description | Quantity |
|----------|--------------------------------------|--------------------------|
| 94060810 | Finntip Flex 1200 | 10x96/rack |
| 94060813 | Finntip Flex 1200 sterile* | 10x96/rack |
| 94060816 | Finntip Flex 1200 refill starter kit | 16x96/refill + 1x96/rack |
| 94060817 | Finntip Flex 1200 refill kit | 16x96/refill |
| 94060820 | Finntip Flex 1200 | 1000/bag |

Color code: Turquoise Length: 8.7 cm

Finntip Flex 10 ml Extended



| Cat. no. | Description | Quantity |
|----------|-----------------------|----------|
| 94060970 | Flex 10ml Ext | 100/bag |
| 94060973 | Flex 10ml Ext sterile | 50/bag |

Length: 26.7 cm

* Finntip sterile* are certified to be free of Endotoxin, DNA, DNase and RNase

Finntip Flex - Filter Pipette Tips



| Cat. no. | Description | Volume | Quantity |
|----------|-------------------------------|----------|------------|
| 94056980 | Flex Filter 10 sterile* | 0.2-10 | 10x96/rack |
| 94056510 | Flex Filter 30 sterile* | 5-30 | 10x96/rack |
| 94056520 | Flex Filter 100 sterile* | 5-100 | 10x96/rack |
| 94056380 | Flex Filter 200 sterile* | 1-200 | 10x96/rack |
| 94056580 | Flex Filter 300 sterile* | 5-300 | 10x96/rack |
| 94056710 | Flex Filter 1000 sterile* | 100-1000 | 10x96/rack |
| 94056810 | Flex Filter 1200 sterile* | 50-1200 | 10x96/rack |
| 94056970 | Flex Filter 10 ml Ext sterile | 1-10 ml | 50/bag |

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: Pink Length: 3.2 cm

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: Purple Length: 3.3 cm

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: Turquoise Length: 4.8 cm

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: Orange Length: 7.8 cm

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: Orange Length: 5.2 cm

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: Yellow Length: 5.2 cm

Ordering Information

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: Blue Length: 7.1 cm

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: Blue Length: 10.5 cm

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: Green Length: 14.7 cm

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: Red Length: 15.0 cm

Finntip Filter



| Cat.no. | Description | Volume | Quantity |
|-----------|-------------------------------------|-------------|-------------|
| 94052 000 | Finntip Filter Micro 10 µl sterile* | 0.2-10 µl | 10x96/rack |
| 94052020 | Finntip Filter Micro 20 µl sterile* | 0.2-20 µl | 10x384/rack |
| 94052 060 | Finntip Filter Micro 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 |
| 94052 160 | 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 | 0.5-5 ml | 5 x 54/rack |
| 94052 600 | Finntip Filter 10 ml sterile | 1-10 ml | 5 x 24/rack |

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: White Length: 5.3 cm / 7.2 cm

Finntip Pocket



| Cat No. | Description | Quantity |
|----------|-----------------------|-----------------|
| 94035510 | Finntip Pocket 50 nl | 10x96 tips/rack |
| 94035520 | Finntip Pocket 50 nl | 1x96 tips/rack |
| 94035550 | Finntip Pocket 250 nl | 10x96 tips/rack |
| 94035560 | Finntip Pocket 250 nl | 1x96 tips/rack |

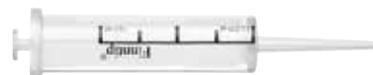
Finntip Multistep



| Cat. no. | Description | Quantity |
|----------|---------------------------|------------|
| 9401 300 | Finntip Multistep | 400/box |
| 9401 330 | Finntip Multistep | 10x96/rack |
| 9401 333 | Finntip Multistep sterile | 10x96/rack |

Color code: Turquoise Length: 8.5 cm

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 | 20/box |
| 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 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 BioCons are certified to be free of Endotoxin, DNA, DNase and RNase

* Finntip steriles are certified to be free of Endotoxin, DNA, DNase and RNase

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