

thermo scientific



# Thermo Scientific ClipTip Pipetting Systems

Sealed in security | Feel the difference

**ThermoFisher**  
SCIENTIFIC

# Breakthrough **ClipTip** technology

Achieve newfound confidence with the **Thermo Scientific™ ClipTip™ pipetting system** that lock tips firmly in place so they will not loosen or fall off, regardless of application pressure. You can actually feel the tips lock firmly in place with a light touch. This makes daily pipetting a totally new experience. No more banging tips on your pipette to ensure that the tips are properly attached and sealed.

## **Worry-free pipetting is finally here with the only tip that clips.**

### **Eliminate the frustration of banging tips on your pipette**

With a light touch, each tip is 'clipped' securely on the pipette.

### **Reduce the risk of loose or leaking tips**

When ClipTip pipette tips are on, they are sealed and will not loosen. The ClipTip pipetting system remains sealed until you decide to eject tips, even in the most comprehensive applications, including multiple tip touches and mixing cycles.

### **Enable consistent and reproducible pipetting from user to user**

Higher-quality results and more efficient research.



4 | **F1-ClipTip Manual Pipettes**

6 | **E1-ClipTip Electronic Pipettes**

12 | **F1-ClipTip System Order Information**

14 | **E1-ClipTip System Order Information**



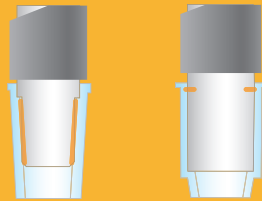
You'll feel the difference the first time you use the Thermo Scientific ClipTip pipetting system.

### It is a challenge to ensure a quality seal in daily pipetting.

The ideal solution is for the pipette and tip to form a system that increases confidence in reproducibility, reduces forces required to attach and detach the system, and secures the best possible accuracy and precision.



#### FRICITION SEALING SYSTEMS



Pipettes with a friction-seal system rely on a user's force to attach tips to the pipette, which varies from user to user.

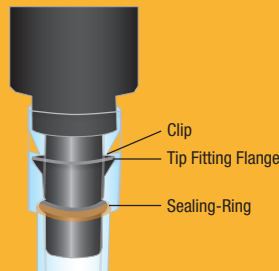
- Increased tip attachment and ejection forces
- Loose tips that can drop off or leak air
- Decreased confidence in reproducibility of results
- Premature tip cone wear



#### CLIPTIP SYSTEM

ClipTip technology locks tips firmly in place with a light touch, and forms a seal on every channel.

- Extremely low tip attachment and ejection forces
- Complete seal on every channel
- No loose tips
- Reproducibility you can count on



# Manual pipettes

Feel the difference with F1-ClipTip Pipettes

## Maintain precise sample volumes on every channel<sup>1</sup>

Whether you're using a single or multichannel pipette, the F1-ClipTip pipetting system ensures a complete seal on every channel for precise sample volumes, saving valuable time to accelerate your discoveries.

## Attach tips easily to help reduce strain injuries<sup>2</sup>

No longer bang tips onto your pipette. With a light touch each tip is 'clipped' securely on the F1-ClipTip pipette and remains sealed until you decide to eject tips.

## A complete tip seal for confidence in your results<sup>1</sup>

The F1-ClipTip system enables consistent and reproducible pipetting from user to user.

### "We love these ClipTip pipettes!"

Hearing the click is an excellent indicator that I have secured the tips to the multichannel. Some of the other brands do not have anything close to that security – many times using the multichannel was impossible because I would have to push each tip on securely, removing any time-savings the pipettor claimed to offer. It's so light weight too!

To date our real-time results have been more consistent than with other multichannel pipettes and so reliably precise we use our set exclusively for real-time now."

– Grace W., Lead Research Specialist



See it in action at: [thermofisher.com/cliptip](https://thermofisher.com/cliptip)

<sup>1</sup> 1 Thermo Scientific Application Note: ClipTip Technology Part 2 - Secure Seals for Every Channel, 2012

<sup>2</sup> Thermo Scientific Application Note: ClipTip Technology Part 3 - Reduce the Risk of Repetitive Strain Injury (RSI), 2013

# Exceptional performance and comfort, redefined



Lightweight handle design combined with low plunger, tip attachment and ejection forces help reduce the risk of RSI

## Adjustable comfort

The 120° adjustable finger rest – for both right- and left-handed operator comfort – allows your hand to relax during pipetting cycles.

## Industry-leading lifetime warranty\*

With convenient online registration.

## ClipTip Technology

A secure seal on every channel with low attachment and ejection forces for results you can count on again and again.

## Super blow-out

150% increase in air boost ensures efficient delivery of micro-volumes and prevents capillary action in 50 µl models and below.



## NEW silent, effortless volume adjustment

Enjoy the new silent and light volume adjustment with over 50% lower forces compared to earlier models. Improved grip on the volume adjustment knob ensures effortless and precise adjustment.



## Secure volume lock

Securely set and lock volumes to prevent undesirable volume drift during operation.



Learn how the right combination of



TECHNIQUES



TOOLS



ERGONOMICS



SERVICE

support Good Laboratory Pipetting (GLP)

Visit [thermofisher.com/pipette](https://www.thermofisher.com/pipette)

**CE-marked:** the F1-ClipTip Pipetting system is CE-marked in accordance with IVD Directive in Europe excluding the ClipTip Tip Reload Insert Packages.

\*Thermo Scientific F1-ClipTip pipettes are free from defects in material and workmanship for a product lifetime (up to 10 years). Validity of lifetime warranty varies by country. For more details, visit [www.thermoscientific.com/pipettewarranty](https://www.thermoscientific.com/pipettewarranty)

**“They are user-friendly, accurate**

and the ‘ClipTip’ technology makes it easy to change tips in the middle of an assay without any difficulties. When using a multichannel its easy for tips to fall off, resulting in inaccurate volumes and if really unlucky, contamination; but with the E1-ClipTip pipettes the tips clip on effortlessly and stay on throughout your sampling. We have various versions of the E1 pipettes in our lab and plan to continue using because of its superior quality!”

– Lab Manager, US



See it in action at:  
[thermofisher.com/cliptip](https://www.thermofisher.com/cliptip)



# Electronic pipettes

Feel the difference with E1-ClipTip Pipettes

## **An optimal solution for complex protocols**

When combined with interlocking ClipTip technology, the electronic pipetting action and flexible user interface of the E1-ClipTip System enable efficient use of precious time and resources

## **Electronic operation helps you enjoy pipetting again**

Designed for optimum comfort and ease of use, the electronic tip ejection and index finger pipetting action let your thumb relax during pipetting.

## **A perfect choice for sample transfers between various labware formats**

Adjustable tip spacing allows you to set the distance between tips simply by sliding the scale to expand and contract to your desired setting. This means fewer repetitions for multiple applications.

## **Ideal operation for multiple users and environments**

Personalized user interface and password protection ensure unified operation among multiple users.

# Enjoy pipetting again

## STORE UP TO 20 PROGRAMS

The programs function allows you to store 20 of your most common protocols with a specific name

## A PIPETTE FOR MULTIPLE APPLICATIONS

Choose from single channels, 8–16 channel multichannels, or 6–12 channel adjustable tip spacing multichannel pipettes within the volume range of 0.5–1250  $\mu\text{L}$

## TRACK YOUR PIPETTE

Service and calibration trackers remind you when the pipette needs to be re-calibrated or sent for service

## LIQUID SPECIFIC CALIBRATIONS

Higher quality results with liquid-specific calibrations

## LI-ION BATTERY

Quickly recharge for long-lasting performance

## CONVENIENT RECHARGING

Choose to recharge your pipette on the stand or with just a cord — the choice is yours

## TWO-YEAR EXTENDED WARRANTY<sup>1</sup>

With convenient online registration

When all the ergonomic elements below are combined, **pipetting is a comfortable, safe and enjoyable experience.**

- Electronic index finger pipetting action minimizes thumb strain
- Adjustable finger rest allows optimal pipetting position for both left and right-handed users
- Electronic tip ejection makes tip ejection effortless, and intuitive user interface prevents any accidental tip ejection whenever there is liquid inside tips
- Rotating display, unique multichannel ski boot design, and short single-channel barrel maximize comfort by offering visibility and a neutral pipetting position in any working environment

**The E1-ClipTip Equalizer Pipette requires 87% lower tip attachment forces and up to 93% lower tip ejection forces compared to other adjustable tip spacing pipettes<sup>2</sup>**



<sup>1</sup> E1-ClipTip electronic pipettes are warranted to be free from defects in material and workmanship for a period of two years from date of purchase. Two-year warranty applies to pipettes that have been registered, one-year warranty to non-registered. To register the pipette and for more information, visit [www.thermoscientific.com/pipettewarranty](http://www.thermoscientific.com/pipettewarranty)

<sup>2</sup> Thermo Scientific Smart Note. Tip attachment and ejection force vary significantly among different adjustable tip spacing pipette brands. 2016.

# Sample transfers have never been this simple

## Do sample transfers require several different pipette models and take up too much time?

Perform sample transfers between virtually any tube, rack, microplate, or horizontal gel box. Adjustable tip spacing allows you to set the distance between tips simply by sliding the scale to expand and contract to your desired setting. The unique equalizer window links the tip spacing scale to the particular application. This means fewer repetitions for multiple applications.

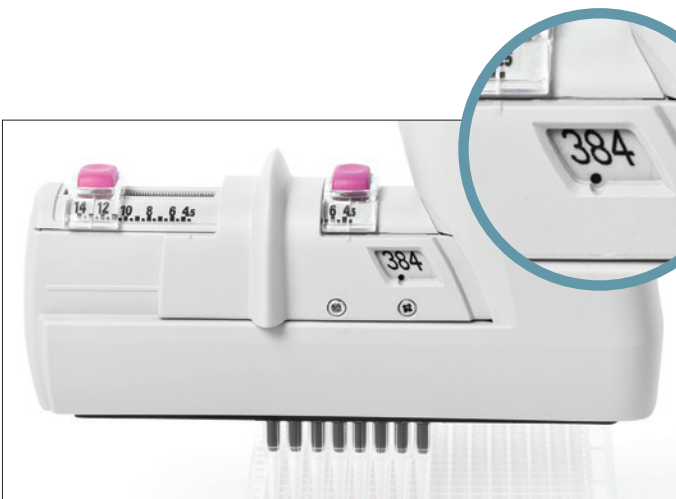


### Increased research efficiency and quality

Over **90%** time savings and fewer repetitions compared to single channel pipettes\*

## Transfer multiple samples between different lab formats *at once*

*one pipette ➤ one movement ➤ one press of the trigger*



Equalizer window set to '384' to pipette onto 384-microplate







Equalizer window set to '48 MCT' to pipette on MCT tubes or 48-well microplates

\*Compared to a manual single channel pipette filling a 96-well microplate from microcentrifuge tubes. See Thermo Scientific Smart Note: *Is there an easier and more efficient way to transfer liquids between various labware formats, than using traditional handheld pipettes?* 2014.







# Speed up sample transfer time and reduce repetition

## 96-Format Equalizer Pipettes

| Channels         | Maximum spacing (mm) | Transfer to/from   | ↔ | Transfer from/to  | Minimum spacing (mm) |
|------------------|----------------------|--|---|---|----------------------|
| <b>6-channel</b> | 19.8                 | <ul style="list-style-type: none"> <li>• Test tube racks</li> <li>• 24-well microplates</li> </ul>              | ↔ | <ul style="list-style-type: none"> <li>• 96-well microplates</li> <li>• Deepwell blocks</li> </ul>   | 9.0                  |
| <b>8-channel</b> | 14.2                 | <ul style="list-style-type: none"> <li>• Microcentrifuge tube racks</li> <li>• 48-well microplates</li> </ul>  | ↔ | <ul style="list-style-type: none"> <li>• 96-well microplates</li> <li>• Deepwell blocks</li> </ul>  | 9.0                  |

## 384-Format Equalizer Pipettes

| Channels          | Maximum spacing (mm) | Transfer to/from  | ↔ | Transfer from/to   | Minimum spacing (mm) |
|-------------------|----------------------|---|---|--|----------------------|
| <b>8-channel</b>  | 14.2                 | <ul style="list-style-type: none"> <li>• 96-well microplates</li> <li>• 48-well microplates</li> <li>• Deepwell blocks</li> <li>• Microcentrifuge tube racks</li> </ul>  | ↔ | <ul style="list-style-type: none"> <li>• 384-well microplates</li> <li>• 384 PCR plates</li> <li>• Agarose Gels</li> </ul>  | 4.5                  |
| <b>12-channel</b> | 9.0                  | <ul style="list-style-type: none"> <li>• 96-well microplates</li> <li>• Deepwell blocks</li> </ul>   | ↔ | <ul style="list-style-type: none"> <li>• 384-well microplates</li> <li>• 384 PCR plates</li> <li>• Agarose Gels</li> </ul>  | 4.5                  |

# Intuitive interface and operation

## feel familiar from day one

E1-ClipTip pipettes are a versatile solution for liquid handling. Begin pipetting immediately with Presets function, or create a customized program based on your laboratory requirements with Matrix function.



### Pipettes that work the way you do

The icon-based user interface offers clear, fast and easy operation with the same basic functions that you are familiar with on your current pipette.



### Edit with ease and confidence

Feel confident editing protocols with simple and easy steps. The large, full-color display and intuitive user interface help you keep track of every step so you are in full control.

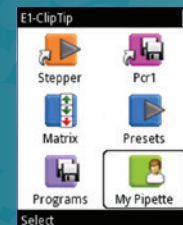
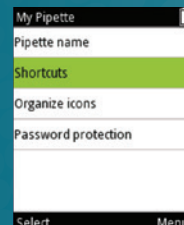
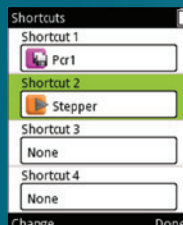
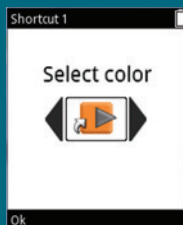
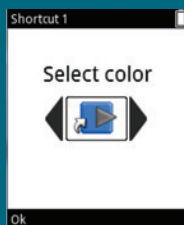


### One click access for more efficient pipetting

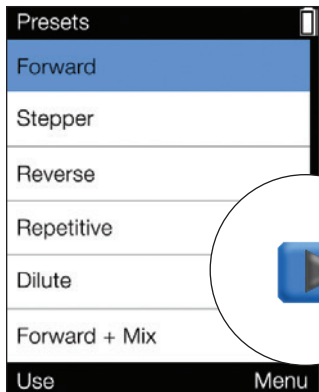
Designed to adapt to your pipetting needs, the **My Pipette™** function allows you to customize your main menu view to include your most-used functions. You can also create shortcuts for your preferred programs and pipetting functions. This eliminates tedious scrolling through submenus to find suitable functions or through programs that are not needed.

## Unique! Customize your view

Personalize the main menu with your choice of icons and choose your favorite color for program or pipetting function shortcuts.



# Optimal functions for every application



## Presets for everyday ready-to-go mode

Simple and quick pipette settings for your most common applications, such as forward and reverse pipetting and multidispensing. Adjust the volume and speed, and you're ready to go.

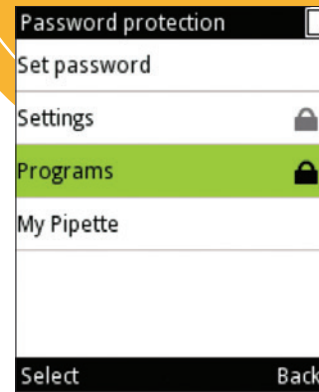


## Matrix for complex applications

The step-based programming is an excellent option when a variety of pipetting functions is required in a unique order to complement your research protocols. Rather than trying to make a pre-set function work, it is now easy to select any of the functional steps —such as Fill, Dispense, Mix, Multi, or Purge —together while setting specific volumes and speeds for each. Add up to 40 steps per program.

## Protect the pipette from unintentional edits

Often pipettes are shared within the lab and unintentional edits can occur, which may result in undetected pipetting errors.



## Choose to lock important protocol settings

Safeguard the integrity of your assays by utilizing password protection for saved settings such as calibration and stored programs, as well as a customized main menu view to deliver consistent, efficient operation regardless of the user.

# F1-ClipTip Manual Pipettes and ClipTip Pipette Tips

| Item No.                        | Description                | Color Key | Volume Range | Increment/Packaging   |
|---------------------------------|----------------------------|-----------|--------------|---|
| <b>10/20 µL PIPETTES</b>        |                            |           |              | <b>Increment</b>  |
| 4641170N                        | F1-ClipTip 1-10 µL         | ●         | 1-10 µL      | 0.02 µL   |
| 4641180N                        | F1-ClipTip 2-20 µL         | ●         | 2-20 µL      | 0.02 µL   |
| 4661110N                        | F1-ClipTip 8-ch 1-10 µL    | ●         | 1-10 µL      | 0.02 µL   |
| 4661150N                        | F1-ClipTip 12-ch 1-10 µL   | ●         | 1-10 µL      | 0.02 µL   |
| <b>20 µL TIPS</b>               |                            |           |              | <b>Packaging</b>  |
| 94410210                        | ClipTip 20                 | ●         | 1-20 µL      | Racked, 96 tips/rack, 10 racks/pack                               |
| 94410213                        | ClipTip 20                 | ●         | 1-20 µL      | Racked, Sterile, 96 tips/rack, 10 racks/pack                      |
| 94410217                        | ClipTip 20                 | ●         | 1-20 µL      | Reload Tower, 96 tips/insert, 10 inserts/pack                     |
| 94410218                        | ClipTip 20                 | ●         | 1-20 µL      | Reload Tower, Sterile, 96 tips/insert, 10 inserts/pack            |
| 94420213                        | ClipTip 20                 | ●         | 1-20 µL      | Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack            |
| 94420218                        | ClipTip 20                 | ●         | 1-20 µL      | Reload Insert, Filtered, Sterile, 96 tips/insert, 10 inserts/pack |
| <b>50 µL PIPETTES</b>           |                            |           |              | <b>Increment</b>  |
| 4641190N                        | F1-ClipTip 5-50 µL         | ●         | 5-50 µL      | 0.1 µL  |
| 4661120N                        | F1-ClipTip 8-ch 5-50 µL    | ●         | 5-50 µL      | 0.1 µL  |
| 4661160N                        | F1-ClipTip 12-ch 5-50 µL   | ●         | 5-50 µL      | 0.1 µL  |
| <b>50 µL TIPS</b>               |                            |           |              | <b>Packaging</b>  |
| 94410250                        | ClipTip 50                 | ●         | 5-50 µL      | Racked, 96 tips/rack, 10 racks/pack                               |
| 94410253                        | ClipTip 50                 | ●         | 5-50 µL      | Racked, Sterile, 96 tips/rack, 10 racks/pack                      |
| 94410257                        | ClipTip 50                 | ●         | 5-50 µL      | Reload Tower, 96 tips/insert, 10 inserts/pack                     |
| 94410258                        | ClipTip 50                 | ●         | 5-50 µL      | Reload Tower, Sterile, 96 tips/insert, 10 inserts/pack            |
| 94420253                        | ClipTip 50                 | ●         | 5-50 µL      | Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack            |
| 94420258                        | ClipTip 50                 | ●         | 5-50 µL      | Reload Insert, Filtered, Sterile, 96 tips/insert, 10 inserts/pack |
| <b>100 µL / 200 µL PIPETTES</b> |                            |           |              | <b>Increment</b>  |
| 4641200N                        | F1-ClipTip 10-100 µL       | ●         | 10-100 µL    | 0.2 µL  |
| 4641210N                        | F1-ClipTip 20-200 µL       | ●         | 20-200 µL    | 0.2 µL  |
| 4661130N                        | F1-ClipTip 8-ch 10-100 µL  | ●         | 10-100 µL    | 0.2 µL  |
| 4661170N                        | F1-ClipTip 12-ch 10-100 µL | ●         | 10-100 µL    | 0.2 µL  |
| <b>200 µL TIPS</b>              |                            |           |              | <b>Packaging</b>  |
| 94410310                        | ClipTip 200                | ●         | 10-200 µL    | Racked, 96 tips/rack, 10 racks/pack                               |
| 94410313                        | ClipTip 200                | ●         | 10-200 µL    | Racked, Sterile, 96 tips/rack, 10 racks/pack                      |
| 94410317                        | ClipTip 200                | ●         | 10-200 µL    | Reload Tower, 96 tips/insert, 10 inserts/pack                     |
| 94410318                        | ClipTip 200                | ●         | 10-200 µL    | Reload Tower, Sterile, 96 tips/insert, 10 inserts/pack            |
| 94420313                        | ClipTip 200                | ●         | 10-200 µL    | Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack            |
| 94420318                        | ClipTip 200                | ●         | 10-200 µL    | Reload Insert, Filtered, Sterile, 96 tips/insert, 10 inserts/pack |
| <b>300 µL PIPETTES</b>          |                            |           |              | <b>Increment</b>  |
| 4641220N                        | F1-ClipTip 30-300 µL       | ●         | 30-300 µL    | 1 µL  |
| 4661140N                        | F1-ClipTip 8-ch 30-300 µL  | ●         | 30-300 µL    | 1 µL  |
| 4661180N                        | F1-ClipTip 12-ch 30-300 µL | ●         | 30-300 µL    | 1 µL  |
| <b>300 µL TIPS</b>              |                            |           |              | <b>Packaging</b>  |
| 94410510                        | ClipTip 300                | ●         | 30-300 µL    | Racked, 96 tips/rack, 10 racks/pack                               |
| 94410513                        | ClipTip 300                | ●         | 30-300 µL    | Racked, Sterile, 96 tips/rack, 10 racks/pack                      |
| 94410517                        | ClipTip 300                | ●         | 30-300 µL    | Reload Tower, 96 tips/insert, 10 inserts/pack                     |
| 94410518                        | ClipTip 300                | ●         | 30-300 µL    | Reload Tower, Sterile, 96 tips/insert, 10 inserts/pack            |
| 94420513                        | ClipTip 300                | ●         | 30-300 µL    | Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack            |
| 94420518                        | ClipTip 300                | ●         | 30-300 µL    | Reload Insert, Filtered, Sterile, 96 tips/insert, 10 inserts/pack |

- 10 µL/ 20 µL
- 50 µL
- 100 µL/ 200 µL
- 300 µL
- 850 µL/ 1000 µL
- 1250 µL

## F1-ClipTip Manual Pipettes and ClipTip Pipette Tips

| Item No.                | Description             | Color Key | Volume Range | Increment/Packaging  |
|-------------------------|-------------------------|-----------|--------------|--|
| <b>1000 µL PIPETTES</b> |                         |           |              | <b>Increment</b>   |
| 4641230N                | F1-ClipTip 100-1000 µl* | ●         | 100-1000 µL  | 1 µL   |
| <b>1000 µL TIPS</b>     |                         |           |              | <b>Packaging</b>   |
| 94410710                | ClipTip 1000            | ●         | 100-1000 µL  | Racked, 96 tips/rack, 8 racks/pack                               |
| 94410713                | ClipTip 1000            | ●         | 100-1000 µL  | Racked, Sterile, 96 tips/rack, 8 racks/pack                      |
| 94410717                | ClipTip 1000            | ●         | 100-1000 µL  | Reload Tower, 96 tips/insert, 8 inserts/pack                     |
| 94410718                | ClipTip 1000            | ●         | 100-1000 µL  | Reload Tower, Sterile, 96 tips/insert, 8 inserts/pack            |
| 94420713                | ClipTip 1000            | ●         | 100-1000 µL  | Racked, Filtered, Sterile, 96 tips/rack, 8 racks/pack            |
| 94420718                | ClipTip 1000            | ●         | 100-1000 µL  | Reload Insert, Filtered, Sterile, 96 tips/insert, 8 inserts/pack |

- 10 µL/ 20 µL
- 50 µL
- 100 µL/ 200 µL
- 300 µL
- 1000 µL
- 1250 µL

## F1-ClipTip Manual Fixed Volume Pipettes

| Item No. | Description         | Volume Range |
|----------|---------------------|--------------|
| 4651190N | F1-ClipTip 10 µL    | 10 µL        |
| 4651200N | F1-ClipTip 20 µL    | 20 µL        |
| 4651210N | F1-ClipTip 25 µL    | 25 µL        |
| 4651220N | F1-ClipTip 50 µL    | 50 µL        |
| 4651230N | F1-ClipTip 100 µL   | 100 µL       |
| 4651240N | F1-ClipTip 200 µL   | 200 µL       |
| 4651250N | F1-ClipTip 250 µL   | 250 µL       |
| 4651260N | F1-ClipTip 500 µl*  | 500 µL       |
| 4651270N | F1-ClipTip 1000 µl* | 1000 µL      |

\* Short Shaft

Order online and find additional specifications  
[thermofisher.com/cliptip](https://thermofisher.com/cliptip)



## F1-ClipTip Good Laboratory Pipetting Kits

| Item No. | Description          | Contents of Kit   |
|----------|----------------------|---|
| 4701140N | F1-ClipTip GLP Kit 1 | <ul style="list-style-type: none"> <li>• F1-ClipTip 1-10 µL single channel</li> <li>• F1-ClipTip 10-100 µL single channel</li> <li>• F1-ClipTip 100-1000 µL single channel</li> <li>• F-Series Stand</li> <li>• ClipTip 20 rack</li> <li>• ClipTip 200 rack</li> <li>• ClipTip 1000 rack</li> <li>• 25 mL reservoir</li> <li>• 25 mL divided reservoir</li> <li>• 100 mL divided reservoir</li> </ul>   |
| 4701150N | F1-ClipTip GLP Kit 2 | <ul style="list-style-type: none"> <li>• F1-ClipTip 2-20 µL single channel</li> <li>• F1-ClipTip 20-200 µL single channel</li> <li>• F1-ClipTip 100-1000 µL single channel</li> <li>• F1-ClipTip 30-300 µL 8-channel</li> <li>• F-Series Stand</li> <li>• ClipTip 20 rack</li> <li>• ClipTip 200 rack</li> <li>• ClipTip 300 rack</li> <li>• ClipTip 1000 rack</li> <li>• 25 mL reservoir</li> <li>• 25 mL divided reservoir</li> <li>• 100 mL divided reservoir</li> </ul> |



## Accessories

| Item No. | Description                        | Color Key | Increment/Packaging       |
|----------|------------------------------------|-----------|---------------------------|
| 9420400  | F-Series Stand, white, 6 positions |           |                           |
| 94410219 | Empty Rack, Small                  | ● ●       | 10 racks, no tips/inserts |
| 94410519 | Empty Rack, Medium                 | ● ●       | 10 racks, no tips/inserts |
| 94410819 | Empty Rack, Large                  | ● ●       | 8 racks, no tips/inserts  |

# E1-ClipTip Electronic Pipettes and ClipTip Pipette Tips

- 10 µL/ 12.5 µL/ 20 µL
- 30 µL/ 50 µL
- 100 µL/ 125 µL/ 200 µL
- 300 µL
- 850 µL/ 1000 µL
- 1250 µL

| Item No.                      | Description                                 | Color Key | Volume Range | Tip Spacing Range (mm) | Increment/Packaging   |
|-------------------------------|---|-----------|--------------|------------------------|---|
| <b>0.5-12.5 µL PIPETTES*</b>  |   |           |              |                        | <b>Increment</b>  |
| 4670000                       | E1-ClipTip, 0.5-12.5 µL                     | ●         | 0.5-12.5 µL  |                        | 0.01 µL   |
| 4671000                       | E1-ClipTip, 8-ch 0.5-12.5 µL                | ●         | 0.5-12.5 µL  |                        | 0.01 µL   |
| 4671010                       | E1-ClipTip, 12-ch 0.5-12.5 µL               | ●         | 0.5-12.5 µL  |                        | 0.01 µL   |
| <b>12.5 µL TIPS*</b>          |   |           |              |                        | <b>Packaging</b>  |
| 94410040                      | ClipTip 12.5                                | ●         | 0.5-12.5 µL  |                        | Racked, 96 tips/rack, 10 racks/pack                               |
| 94410043                      | ClipTip 12.5                                | ●         | 0.5-12.5 µL  |                        | Racked, Sterile, 96 tips/rack, 10 racks/pack                      |
| 94420043w                     | ClipTip 12.5                                | ●         | 0.5-12.5 µL  |                        | Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack            |
| <b>384, 12.5 µL PIPETTES*</b> |   |           |              |                        | <b>Increment</b>  |
| 4671020                       | E1-ClipTip, 16-ch 0.5-12.5 µL               | ●         | 0.5-12.5 µL  |                        | 0.01 µL   |
| 4672010                       | E1-ClipTip Equalizer 384, 8-ch 0.5-12.5 µL  | Eq        | 0.5-12.5 µL  | 4.5-14.2               | 0.01 µL   |
| 4672020                       | E1-ClipTip Equalizer 384, 12-ch 0.5-12.5 µL | Eq        | 0.5-12.5 µL  | 4.5-9.0                | 0.01 µL   |
| <b>384, 12.5 µL TIPS*</b>     |   |           |              |                        | <b>Packaging</b>  |
| 94410050                      | ClipTip 384, 12.5                           | ●         | 0.5-12.5 µL  |                        | Racked, 384 tips/rack, 10 racks/pack                              |
| 94410053                      | ClipTip 384, 12.5                           | ●         | 0.5-12.5 µL  |                        | Racked, Sterile, 384 tips/rack, 10 racks/pack                     |
| 94420053                      | ClipTip 384, 12.5                           | ●         | 0.5-12.5 µL  |                        | Racked, Filtered, Sterile, 384 tips/rack, 10 racks/pack           |
| <b>384, 30 µL PIPETTES*</b>   |   |           |              |                        | <b>Increment</b>  |
| 4671030                       | E1-ClipTip, 16-ch 1-30 µL                   | ●         | 1-30 µL      |                        | 0.01 µL   |
| 4672030                       | E1-ClipTip Equalizer 384, 8-ch 1-30 µL      | Eq        | 1-30 µL      | 4.5-14.2               | 0.01 µL   |
| 4672040                       | E1-ClipTip Equalizer 384, 12-ch 1-30 µL     | Eq        | 1-30 µL      | 4.5-9.0                | 0.01 µL   |
| <b>384, 30 µL TIPS*</b>       |   |           |              |                        | <b>Packaging</b>  |
| 94410100                      | ClipTip 384, 30                             | ●         | 1-30 µL      |                        | Racked, 384 tips/rack, 10 racks/pack                              |
| 94410103                      | ClipTip 384, 30                             | ●         | 1-30 µL      |                        | Racked, Sterile, 384 tips/rack, 10 racks/pack                     |
| 94420103                      | ClipTip 384, 30                             | ●         | 1-30 µL      |                        | Racked, Filtered, Sterile, 384 tips/rack, 10 racks/pack           |
| <b>125 µL PIPETTES</b>        |   |           |              |                        | <b>Increment</b>  |
| 4670020                       | E1-ClipTip, 2-125 µL                        | ●         | 2-125 µL     |                        | 0.1 µL  |
| 4671040                       | E1-ClipTip, 8-ch 2-125 µL                   | ●         | 2-125 µL     |                        | 0.1 µL  |
| 4671050                       | E1-ClipTip, 12-ch 2-125 µL                  | ●         | 2-125 µL     |                        | 0.1 µL  |
| 4672050                       | E1-ClipTip Equalizer, 8-ch 2-125 µL         | Eq        | 2-125 µL     | 9.0-14.2               | 0.1 µL  |
| <b>200 µL TIPS</b>            |   |           |              |                        | <b>Packaging</b>  |
| 94410310                      | ClipTip 200                                 | ●         | 2-200 µL     |                        | Racked, 96 tips/rack, 10 racks/pack                               |
| 94410313                      | ClipTip 200                                 | ●         | 2-200 µL     |                        | Racked, Sterile, 96 tips/rack, 10 racks/pack                      |
| 94410317                      | ClipTip 200                                 | ●         | 2-200 µL     |                        | Reload Tower, 96 tips/insert, 10 inserts/pack                     |
| 94410318                      | ClipTip 200                                 | ●         | 2-200 µL     |                        | Reload Tower, Sterile, 96 tips/insert, 10 inserts/pack            |
| 94420313                      | ClipTip 200                                 | ●         | 2-200 µL     |                        | Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack            |
| 94420318                      | ClipTip 200                                 | ●         | 2-200 µL     |                        | Reload Insert, Filtered, Sterile, 96 tips/insert, 10 inserts/pack |
| <b>384, 125 µL PIPETTES*</b>  |   |           |              |                        | <b>Increment</b>  |
| 4671060                       | E1-ClipTip, 16-ch 2-125 µL                  | ●         | 2-125 µL     |                        | 0.1 µL  |
| 4672060                       | E1-ClipTip Equalizer 384, 8-ch 2-125 µL     | Eq        | 2-125 µL     | 4.5-14.2               | 0.1 µL  |
| 4672070                       | E1-ClipTip Equalizer 384, 12-ch 2-125 µL    | Eq        | 2-125 µL     | 4.5-9.0                | 0.1 µL  |
| <b>384, 125 µL TIPS*</b>      |   |           |              |                        | <b>Packaging</b>  |
| 94410150                      | ClipTip 384, 125                            | ●         | 2-125 µL     |                        | Racked, 384 tips/rack, 10 racks/pack                              |
| 94410153                      | ClipTip 384, 125                            | ●         | 2-125 µL     |                        | Racked, Sterile, 384 tips/rack, 10 racks/pack                     |
| 94420153                      | ClipTip 384, 125                            | ●         | 2-125 µL     |                        | Racked, Filtered, Sterile, 384 tips/rack, 10 racks/pack           |

\* ClipTip 384 and ClipTip 12.5 tips and compatible E1-ClipTip models do not have interlock technology. All ClipTip pipette tips are low retention with the exception of 384 and 12.5 models.

# E1-ClipTip Electronic Pipettes and ClipTip Pipette Tips

| Item No.               | Description                          | Color Key | Volume Range | Tip Spacing Range (mm) | Increment/Packaging   |
|------------------------|--------------------------------------|-----------|--------------|------------------------|---|
| <b>300 µL PIPETTES</b> |                                      |           |              |                        | <b>Increment</b>  |
| 4670030                | E1-ClipTip, 10-300 µL                | ●         | 10-300 µL    |                        | 0.1 µL  |
| 4671070                | E1-ClipTip, 8-ch 10-300 µL           | ●         | 10-300 µL    |                        | 0.1 µL  |
| 4671080                | E1-ClipTip, 12-ch 10-300 µL          | ●         | 10-300 µL    |                        | 0.1 µL  |
| 4672080                | E1-ClipTip Equalizer, 8-ch 10-300 µL | Eq        | 10-300 µL    | 9.0-14.2               | 0.1 µL  |
| <b>300 µL TIPS</b>     |                                      |           |              |                        | <b>Packaging</b>  |
| 94410510               | ClipTip 300                          | ●         | 10-300 µL    |                        | Racked, 96 tips/rack, 10 racks/pack                               |
| 94410513               | ClipTip 300                          | ●         | 10-300 µL    |                        | Racked, Sterile, 96 tips/rack, 10 racks/pack                      |
| 94410517               | ClipTip 300                          | ●         | 10-300 µL    |                        | Reload Tower, 96 tips/insert, 10 inserts/pack                     |
| 94410518               | ClipTip 300                          | ●         | 10-300 µL    |                        | Reload Tower, Sterile, 96 tips/insert, 10 inserts/pack            |
| 94420513               | ClipTip 300                          | ●         | 10-300 µL    |                        | Racked, Filtered, Sterile, 96 tips/rack, 10 racks/pack            |
| 94420518               | ClipTip 300                          | ●         | 10-300 µL    |                        | Reload Insert, Filtered, Sterile, 96 tips/insert, 10 inserts/pack |

- 10 µL / 12.5 µL / 20 µL
- 30 µL / 50 µL
- 100 µL / 125 µL / 200 µL
- 300 µL
- 850 µL / 1000 µL
- 1250 µL

|                        |                             |   |            |  |  |
|------------------------|-----------------------------|---|------------|--|--|
| <b>850 µL PIPETTES</b> |                             |   |            |  | <b>Increment</b>   |
| 4671090                | E1-ClipTip, 12-ch 30-850 µL | ● | 30-850 µL  |  | 1.0 µL   |
| <b>1000 µL TIPS</b>    |                             |   |            |  | <b>Packaging</b>   |
| 94410710               | ClipTip 1000                | ● | 30-1000 µL |  | Racked, 96 tips/rack, 8 racks/pack                               |
| 94410713               | ClipTip 1000                | ● | 30-1000 µL |  | Racked, Sterile, 96 tips/rack, 8 racks/pack                      |
| 94410717               | ClipTip 1000                | ● | 30-1000 µL |  | Reload Tower, 96 tips/insert, 8 inserts/pack                     |
| 94410718               | ClipTip 1000                | ● | 30-1000 µL |  | Reload Tower, Sterile, 96 tips/insert, 8 inserts/pack            |
| 94420713               | ClipTip 1000                | ● | 30-1000 µL |  | Racked, Filtered, Sterile, 96 tips/rack, 8 racks/pack            |
| 94420718               | ClipTip 1000                | ● | 30-1000 µL |  | Reload Insert, Filtered, Sterile, 96 tips/insert, 8 inserts/pack |

|                            |                                       |    |            |          |  |
|----------------------------|---------------------------------------|----|------------|----------|--|
| <b>15-1250 µL PIPETTES</b> |                                       |    |            |          | <b>Increment</b>   |
| 4670040                    | E1-ClipTip, 15-1250 µL                | ●  | 15-1250 µL |          | 1.0 µL   |
| 4671100                    | E1-ClipTip, 8-ch 15-1250 µL           | ●  | 15-1250 µL |          | 1.0 µL   |
| 4672090                    | E1-ClipTip Equalizer, 6-ch 15-1250 µL | Eq | 15-1250 µL | 9.0-19.8 | 1.0 µL   |
| 4672100                    | E1-ClipTip Equalizer, 8-ch 15-1250 µL | Eq | 15-1250 µL | 9.0-14.2 | 1.0 µL   |
| <b>1250 µL TIPS</b>        |                                       |    |            |          | <b>Packaging</b>   |
| 94410810                   | ClipTip 1250                          | ●  | 15-1250 µL |          | Racked, 96 tips/rack, 8 racks/pack                               |
| 94410813                   | ClipTip 1250                          | ●  | 15-1250 µL |          | Racked, Sterile, 96 tips/rack, 8 racks/pack                      |
| 94410817                   | ClipTip 1250                          | ●  | 15-1250 µL |          | Reload Insert, 96 tips/insert, 8 inserts/pack                    |
| 94410818                   | ClipTip 1250                          | ●  | 15-1250 µL |          | Reload Insert, Sterile, 96 tips/insert, 8 inserts/pack           |
| 94420813                   | ClipTip 1250                          | ●  | 15-1250 µL |          | Racked, Filtered, Sterile, 96 tips/rack, 8 racks/pack            |
| 94420818                   | ClipTip 1250                          | ●  | 15-1250 µL |          | Reload Insert, Filtered, Sterile, 96 tips/insert, 8 inserts/pack |

## Accessories

| Item No. | Description                                 | Color Key | Increment/Packaging                 |
|----------|---|-----------|-------------------------------------|
| 9420500  | E1-ClipTip Charging Stand, 1 position       |           | Compatible with E1-ClipTip pipettes |
| 9420510  | E1-ClipTip Multi Charging Stand, 3 position |           | Compatible with E1-ClipTip pipettes |
| 94410219 | Empty Rack, Small                           | ● ●       | 10 racks, no tips/inserts           |
| 94410519 | Empty Rack, Medium                          | ● ●       | 10 racks, no tips/inserts           |
| 94410819 | Empty Rack, Large                           | ● ●       | 8 racks, no tips/inserts            |



Order online and find additional specifications  
[thermofisher.com/cliptip](https://thermofisher.com/cliptip)



E1-ClipTip  
Single  
Charging  
Stand



E1-ClipTip  
Multi  
Charging  
Stand

## Thermo Scientific Good Laboratory Pipetting

A history of liquid handling innovations providing consistent, reproducible results



TECHNIQUES



TOOLS



ERGONOMICS



SERVICE

# GLP



Learn how the right combination of technique, selecting the right tools, ergonomics and service support Good Laboratory Pipetting at [thermofisher.com/pipette](http://thermofisher.com/pipette)

## Protecting your investment

To improve your laboratory's efficiency, you should be free to focus on your work, not burdened by managing instrument service. We provide a complete portfolio of customized, integrated, and innovative services and support solutions designed to help you improve productivity, reduce total cost of ownership, and ensure compliance throughout your laboratory — from instrument and equipment acquisition to disposition.



### Let our expertise complement yours

Explore all the new ways to protect your instruments and equipment at [unitylabservices.com](http://unitylabservices.com)



- Support Plans
- Parts and Consumables
- Training and More

**unity lab services**  
by Thermo Fisher Scientific

## pipette warranty registration

Register your pipette online for a free warranty at [www.thermoscientific.com/pipettewarranty](http://www.thermoscientific.com/pipettewarranty)

Find out more at [thermofisher.com/cliptip](http://thermofisher.com/cliptip)

© 2016 Thermo Fisher Scientific Inc. All rights reserved. All trademarks are the property of Thermo Fisher Scientific Inc. and its subsidiaries. Specifications, terms and pricing are subject to change. Validity of lifetime warranty varies by country. Not all products are available in all countries. Please consult your local sales representative for details.

**Australia** +61 39757 4300  
**Austria** +43 1 801 40 0  
**Belgium** +32 53 73 42 41  
**China** +86 21 6865 4588 or  
+86 10 8419 3588  
**France** +33 2 2803 2180  
**Germany national Toll-Free** 0800 1 536 376  
**Germany International** +49 6184 90 6000

**India Toll-Free** 1800 22 8374  
**India** +91 22 6716 2200  
**Italy** +39 02 95059 554  
**Japan** +81 45 453 9220  
**Netherlands** +31 76 579 55 55  
**New Zealand** +64 9 980 6700  
**Nordic/Baltic/CIS Countries**  
+358 9 329 10200

**Russia** +7 812 703 42 15  
**Spain/Portugal** +34 93 223 09 18  
**Switzerland** +41 44 454 12 22  
**UK/Ireland** +44 870 609 9203  
**USA/Canada** +1 866 984 3766

**Other Asian countries** +852 2885 4613  
**Countries Not Listed** +49 6184 90 6000