

**Thermo Scientific  
Finnpipette® Novus  
Single and Multichannels**



**The first electronic pipette with a backlit graphical user interface in six languages**

## The new Thermo Scientific Finnpiquette Novus

As the leader in pipetting, we are proud to introduce the new Thermo Scientific Finnpiquette Novus, a pipette that combines simplicity, comfort and functionality in an exceptionally intuitive ergonomic design. Built on the results of recent independent ergonomics studies\*, and customer feedback, the new Finnpiquette Novus gives you the power to reach the highest level of pipetting performance.



### Simple

The new Finnpiquette Novus is so user-friendly that you'll learn how to use it in only a few minutes. With the instantly familiar menu and simple button layout, you can choose all the pipetting functions you need quickly and easily. The large, clear display is easy to read and shows the full names of all functions, without any confusing abbreviations. The new Finnpiquette Novus clearly raises the standards of user-friendly design.

### Comfortable

The ergonomic and lightweight design of Finnpiquette Novus takes account of each part of your hand and your pipetting motion, to keep stress and exertion to a minimum. Ergonomic shaped handle together with adjustable finger rest firmly supports the pipette while also ensuring the optimum pipetting position.

### Adjustable

The adjustable finger rest takes the load off your hands and ensures the most efficient pipetting position. You can adjust the finger rest, 120° of movement, to fit your hand exactly. The unique design leaves your index finger free to control pipetting with minimum effort using the trigger action pipetting button, enabling optimal position for both left and right hand users.

Additionally, the light-touch tip ejector minimizes strain on your thumb with the very low tip ejection force.

### Light

Finnpiquette 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.

### Powerful

Finnpiquette Novus is a flexible and powerful pipette. There are 10 different pipetting functions and 9 pipetting speeds to choose from. The intuitive menu gives you instant access to basic pipetting functions such as forward, reverse, diluting and stepper pipetting. Advanced functions, such as mixing and sequential stepping, can be easily selected from the second level of the menu.

### Multilingual graphical user interface

New

Finnpiquette Novus range, now offering the graphical interface in six languages: English, French, German, Italian, Spanish and Swedish. Finnpiquette Novus has a two level intuitive menu for simple control, and this is extremely easy to use thanks to its fully graphical text display. The availability of these six languages reduces the chances of user errors for non-native English speakers. The instantly familiar text guided graphical user interface and simple button layout let you select all the pipetting functions and the desired language you need quickly and easily. Novus has built-in 9 memory slots for

convenient every day operations. To each slot you are able to store one of the ten pipetting programs with your own individual settings.

### Brightest and clearest backlit display

New

The Finnpiquette Novus is the first electronic pipette in the world to have this new feature, which uses similar backlight technology to that of mobile phones.

By eliminating surrounding 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



### Longest warranty in the industry

First in the world, we offer 2-year warranty for Finnpiquette Novus. This unique and incredible benefit provides the highest quality pipettes for its customers. 2-year warranty is provided to each registered customer, the non-registered pipette owners get automatically 1-year warranty.

### Always ready

To ensure that it is always powered and ready to use, Finnpiquette Novus has a new lightweight, long life battery. Depending on the settings, the battery allows approximately 4000 pipetting operations and can be fully recharged in only 1 hour. The pipette can also be used while recharging thanks to the long and unobtrusive cable.

### Reliable performance

Finnpiquette Novus is designed for easy in-lab calibration so that you can guarantee accurate and precise pipetting performance at all times. It is robust and easy to service, and has a fully autoclavable tip cone to ensure sterility and avoid cross-contamination. For easy monitoring of the service intervals Finnpiquette Novus has a built-in counter which counts the number of pipetting after the last calibration.

### Personalized

You can personalize your Finnpiquette Novus and give it its own name, which will then be displayed on the screen when the pipette is not in use.

Finnpiquette Novus pipettes are available in a range of volumes, each of which is conveniently color coded according to our extensive Finntip® product range.

### More with Multichannel

The recent introduction of the multichannel models to the Finnpiquette Novus product family now brings the same simplicity and convenience of electronic pipetting to microplate applications.

Finnpiquette Novus Multichannel with its 10 advanced pipetting functions is ideal for demanding laboratory applications, such as delivering a series of different volumes in any desired order or mixing after delivery. Its lightweight, ergonomic design provides the greatest pipetting comfort for even routine laboratory tasks.

From the wide range of Finnpiquette Novus multichannel pipette models, you will find a perfect choice for each of your multichannel liquid handling applications.

### Efficient multisteping

New Finnpiquette Novus 1200 8-channel electronic pipette is ideal for high volume stepping with a step volume of 50µl up to 1200µl. You can dispense efficiently and quickly e.g. 100µl up to 12 columns filling the whole plate. Novus is also a practical tool for filling high volume deep well plates. Stepping results are ensured by Finntip Flex 1200 pipette tip, it has wider tip orifice optimized for delivering repetitive liquid portions.



The finger rest is adjustable 120°

## Familiar text guided graphical user interface



The intuitive menu makes all the most commonly used functions, such as PIPETTE, easily available.

Selecting PROGRAM accesses 9 different user memory slots, which are available for storing your own combinations of the 10 different pipetting functions.



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



**NEW!** Backlit graphical display



Finnpipette Novus range is the first electronic pipette which has its graphical interface in six languages: English, French, German, Italian, Spanish and Swedish.

### Finnpipette Novus pipetting programs:

- Forward pipette
- Reverse pipette
- Repetitive pipette
- Forward pipette + Count
- Forward pipette + Mix
- Stepper pipette
- Sequential Stepper pipette
- Dilution
- Dilution + Mix
- Manual
- Sequential Aspirate pipette



Finnpipette Novus makes routine tasks like mixing and diluting much easier, as well as allowing combinations of these functions. For example, the MIX+DILUTE function aspirates two different reagents, which are separated by an air gap. These solutions can then be mixed to a 70% of the total volume.

## Thermo Scientific Finntip®

Thermo Scientific Finntip pipette tips complement the new Finnpiquette Novus to make a complete optimized pipetting system. Finntips are fully compatible with all Finnpiquettes, providing optimal liquid handling results. All Finntips are available in easy-to-open, fully autoclavable hinged tip racks with color-coded matrix trays.

### Finntip Pipette Tips Tip-top quality

High-quality Finntip pipette tips have always been an essential part of our world leading family of Finnpiquettes. Our advanced molding techniques ensure that all Finntips provide the very best dispensing accuracy.

### Finntip Flex 300, 1000 and 1200 µl Flexible in every way

Our new Finntip Flex system is the latest breakthrough in pipette tip technology that offers flexible, soft and sophisticated high-end tips for discerning users. The new rack is very easy to use and it does not slide on the lab bench.

### Finntip Flex 300 and 1000 Refill Kits Speed up your assays

The new innovative Finntip Flex 300 refill system is very easy to use. Just place the refill tower on top of empty Flex rack and with a single click the new tip matrix plate is placed. Finntip Flex 300 Refills can be used with Finntip Flex racks.

### Finntip 0.2 µl-10ml

### Ensure the success of your application with Finntips

We offer an extensive range of Finntips for you to choose from, so that you can get reliable pipetting results, whatever your application. All the Finntips are available as sterilized versions and they are fully autoclavable.

### Finntip 250 universal and Finntip 10 Refill Kits Easy to use

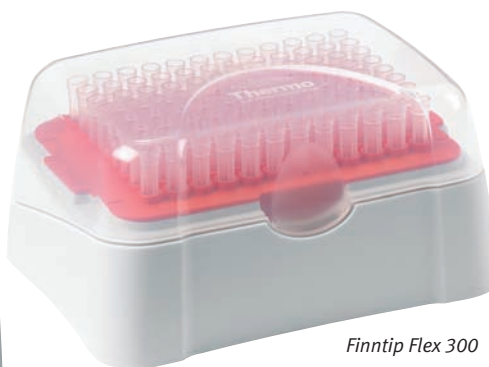
The kits contain two refill towers of 10 matrix plates each. Finntip 250 Universal can be used for a volume range of 0.5 – 250 µl whilst Finntip 10 can be used for 0.2 - 10 µl. Finntip 250 and Finntip 10 Refills can be used with standard Finntip racks.

### Finntip Filter 0.2 µl-10ml Prevent cross-contamination

Finntip Filters are ideal for PCR and other amplification methods, or for any work where aerosol contamination might occur. Finntip Filters effectively eliminate carry-over contamination, ensuring the success of the application. Finntip Filters 0.2 - 1000 µl are certified to be free of DNA, DNase and RNase.



Finntip Flex 1200



Finntip Flex 300

## Thermo Scientific Finntip - Standard Pipette Tips

### Finntip 10



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

### Finntip 50



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

### Finntip 200 Ext



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

### Finntip 300



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

### Finntip 250 Universal



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

### Finntip 1000



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

### Finntip 1000 Ext



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

### Finntip 5 ml



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

### Finntip 10 ml



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

## Thermo Scientific Finntip Flex - Standard Pipette Tips

### 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:	Length: 6.0 cm	
	Orange	

New

### 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:	Length: 8.7 cm	
	Blue	

### Finntip Flex 1200

Cat. no.	Description	Quantity
94060810	Finntip Flex 1200	10x96/rack
94060813	Finntip Flex 1200 sterile	10x96/rack
94060820	Finntip Flex 1200	1000/bag
Color code:	Length: 8.7 cm	
	Turquoise	

New

### Finntip Flex 10 ml

Cat. no.	Description	Quantity
94060970	Finntip Flex 10ml Ext Length: 26.7 cm	100/bag



Finntip Flex 1000 Refill Starter Kit

#### Convenient packaging

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

## Thermo Scientific Finntip - Special Pipette Tips

### 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 Wide

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

Color Code: Length: 5.3 cm / 7.2 cm  
White

### Finntip Filter \*

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

\* Finntip Filters are certified to be free of DNA, DNase and RNase

### Thermo Scientific Finnpiptette Novus specifications\*\*

Order no.	Range	Increment	Volume		Inaccuracy		Imprecision		Color code	Finntip
			$\mu\text{l}$	$\mu\text{l}$	$\mu\text{l}$	%	s.d.* $\mu\text{l}$	CV%*		
4620000X	1-10 $\mu\text{l}$	0.01 $\mu\text{l}$	10	$\pm 0.10$	$\pm 1.0$	0.05	0.5	pink	10	
			1	$\pm 0.035$	$\pm 3.5$	0.03	3.0			
4620010X	1-10 $\mu\text{l}$	0.01 $\mu\text{l}$	10	$\pm 0.10$	$\pm 1.0$	0.05	0.5	yellow	250 Univ., 200 Ext.	
			1	$\pm 0.070$	$\pm 7.0$	0.06	6.0			
4620020X	5-50 $\mu\text{l}$	0.1 $\mu\text{l}$	50	$\pm 0.40$	$\pm 0.8$	0.15	0.3	turquoise	50	
			5	$\pm 0.15$	$\pm 3.0$	0.125	2.5			
4620030X	5-50 $\mu\text{l}$	0.1 $\mu\text{l}$	50	$\pm 0.40$	$\pm 0.8$	0.15	0.3	yellow	250 Univ., 200 Ext.	
			5	$\pm 0.15$	$\pm 3.0$	0.125	2.5			
4620040X	10-100 $\mu\text{l}$	0.1 $\mu\text{l}$	100	$\pm 0.80$	$\pm 0.8$	0.20	0.2	yellow	250 Univ., 200 Ext.	
			10	$\pm 0.30$	$\pm 3.0$	0.10	1.0			
4620050X	30-300 $\mu\text{l}$	1 $\mu\text{l}$	300	$\pm 1.8$	$\pm 0.6$	0.6	0.2	orange	300, Flex 300	
			30	$\pm 0.90$	$\pm 3.0$	0.21	0.7			
4620060X	100-1000 $\mu\text{l}$	1 $\mu\text{l}$	1000	$\pm 6.0$	$\pm 0.6$	2.0	0.2	blue	1000, 1000 Ext.	
			100	$\pm 3.0$	$\pm 3.0$	0.6	0.6			
4620070X	0.5-5 ml	0.01 ml	5000	$\pm 30.0$	$\pm 0.6$	10.0	0.2	green	5 ml	
			500	$\pm 15.0$	$\pm 3.0$	4.0	0.8			
4620080X	1-10 ml	0.01 ml	10000	$\pm 60.0$	$\pm 0.6$	20.0	0.2	red	10 ml	
			1000	$\pm 30.0$	$\pm 3.0$	8.0	0.8			

X=0=Eur.1=US 2=Jap.3=UK 4=Australia

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

\*\* Factory calibration limits.

### Thermo Scientific Finnpiptette Novus Stand

Order no.	Description
9420360	Novus stand (for one pipette)

### Thermo Scientific Finnpiptette Novus Multichannel specifications\*\*

Order no.	Channels	Range	Increment	Volume		Inaccuracy		Imprecision		Color code	Finntip
				$\mu\text{l}$	$\mu\text{l}$	$\mu\text{l}$	%	s.d.* $\mu\text{l}$	CV%*		
4630000X	8	1-10 $\mu\text{l}$	0.1 $\mu\text{l}$	10	$\pm 0.24$	$\pm 2.4$	0.16	1.6	pink	10, 20, 50	
				1	$\pm 0.12$	$\pm 12.0$	0.08	8.0			
4630010X	12	1-10 $\mu\text{l}$	0.1 $\mu\text{l}$	10	$\pm 0.24$	$\pm 2.4$	0.16	1.6	pink	10, 20, 50	
				1	$\pm 0.12$	$\pm 12.0$	0.08	8.0			
4630020X	8	5-50 $\mu\text{l}$	0.1 $\mu\text{l}$	50	$\pm 0.75$	$\pm 1.5$	0.35	0.7	yellow	250	
				5	$\pm 0.25$	$\pm 5.0$	0.10	2.0			
4630030X	12	5-50 $\mu\text{l}$	0.1 $\mu\text{l}$	50	$\pm 0.75$	$\pm 1.5$	0.35	0.7	yellow	250	
				5	$\pm 0.25$	$\pm 5.0$	0.10	2.0			
4630040X	8	30-300 $\mu\text{l}$	1 $\mu\text{l}$	300	$\pm 3.0$	$\pm 1.0$	0.9	0.3	orange	300, Flex 300	
				30	$\pm 0.30$	$\pm 3.0$	0.10	1.0			
4630050X	12	30-300 $\mu\text{l}$	1 $\mu\text{l}$	300	$\pm 3.0$	$\pm 1.0$	0.9	0.3	orange	300, Flex 300	
				30	$\pm 0.30$	$\pm 3.0$	0.10	1.0			
4630070X	16	5-50 $\mu\text{l}$	0.5 $\mu\text{l}$	50	$\pm 0.75$	$\pm 1.5$	0.35	0.7	turquoise	50	
				5	$\pm 0.25$	$\pm 5.0$	0.10	2.0			
4630080X	8	100-1200 $\mu\text{l}$		1200	$\pm 12.00$	$\pm 1.0$	2.40	0.2	turquoise	Flex 1200	
				100	$\pm 3.00$	$\pm 3.0$	0.90	0.9			

X=0=Eur.1=US 2=Jap.3=UK 4=Australia

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

\*\* Factory calibration limits.

### Finnpiptette Novus Stand

Order no.	Description
9420360	Novus stand (for one pipette)

**North America:** USA/Canada +1 866 984 3766

**Europe:** Austria +43 1 801 40 0, Belgium +32 2 482 30 30, Finland +358 9 329 100,

France +33 2 2803 2000, Germany national toll free 08001-536 376,

Germany international +49 6184 90 6940, Italy +39 02 95059 1,

Netherlands +31 76 571 4440, Russia/CIS +7 (812) 703 42 15, Spain/Portugal +34 93 223 09 18,

Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

**Asia:** China +86 21 6865 4588 or +86 10 5850 3588, India +91 22 5542 9494,

Japan +81 45 453 9220, Other Asian countries +852 2885 4613

**Countries not listed:** +49 6184 90 6940 or +33 2 2803 2000

[www.thermo.com/finnpiptette](http://www.thermo.com/finnpiptette)

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