

**Thermo Scientific  
Finnpipette Novus  
Single and Multichannels**



**Comfort and performance with exceptional ergonomics and intuitive programming**

# The Thermo Scientific Finnpiquette Novus

**Combines simplicity, comfort and functionality in an exceptionally intuitive, ergonomic design. Based on independent ergonomics studies and customer feedback, the Finnpiquette® Novus gives you the power to reach the highest level of pipetting performance.**



## Simple Operation

Learn to use the Finnpiquette Novus in just a few minutes. The intuitive menu and simple button layout allow you to navigate quickly and easily to the appropriate pipetting function. The large display clearly indicates operational functions without the need to memorize abbreviations.

## Minimizes Stress and Exertion

Its ergonomic design minimizes stress and exertion. You can adjust the finger rest 120° to fit comfortably in either hand. The unique design leaves your index finger free to control pipetting action with minimum effort using trigger-based operation, optimal for both left- and right-handed users.

The lightest electronic pipette on the market, its advanced, lightweight construction and contoured design help to prevent upper body stress and strain, letting you work longer without fatigue. Additionally, the patented light-touch tip ejector reduces ejection forces and minimizes thumb strain.

## Powerful, Intuitive Programming

This flexible and powerful pipette features 10 different functions and nine speeds. Ideal for accurately pipetting for a variety of applications.

The intuitive menu gives you instant access to basic pipetting functions such as forward, reverse, diluting and stepper pipetting. The easily accessible second-level menu features advanced functions, such as mixing, sequential stepping, calibration and servicing. The flexibility of up to nine program slots enables fast recall of your most common pipetting protocols.

## Multilingual Graphical Interface

The graphical interface is available in seven languages: English, French, German, Italian, Japanese, Spanish and Swedish. Text prompts and the simple button layout let you select all the pipetting functions in the desired language quickly and easily.

## Bright, Clear Backlit Display

By eliminating 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 clearly visible.

## Robust, Reliable Performance

The Finnpiquette Novus has a fully autoclavable tip cone to ensure sterility and to avoid cross-contamination. The pipette also features a lightweight, long life lithium ion battery to ensure power when you're ready to pipette. Depending on the settings, the battery allows approximately 4,000 operations. The pipette can be fully recharged in only one hour, and can even be operated during recharge.



### Backed by a Two-year Warranty

A two-year warranty is provided to each registered customer, while non-registered pipette owners automatically receive a one-year warranty. The FinnpiPETTE Novus is designed for easy in-lab calibration to ensure accurate, precise pipetting performance. A built-in counter monitors the number of pipetting steps between service intervals.

### Easy to Identify

Personalize your FinnpiPETTE Novus which will be displayed on the screen when the pipette is not in use. Novus pipettes are available in a range of volumes, each of which is conveniently color coded according to our extensive Thermo Scientific Finntip product range.

### More Functionality with Multichannel Models

With its 10 advanced pipetting functions, the Novus Multichannel is ideal for demanding laboratory applications, such as delivering a series of different volumes in any desired order or mixing after delivery. The Novus 1200 8-channel electronic pipette is ideal for high volume stepping from 50  $\mu$ l to 1200  $\mu$ l. Dispense efficiently and quickly (e.g. 100  $\mu$ l up to 12 columns to fill the entire plate). The pipette is also a practical tool for filling high volume deep well plates. Stepping results are ensured by the Finntip<sup>®</sup> Flex 1200 pipette tip, featuring a wide tip orifice optimized to deliver the same volumes reliably and repeatedly for the entire plate. The Novus pipette is also a practical tool for filling high volume deep well plates.



The finger rest is adjustable 120°

## Intuitive graphical user interface



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



The first electronic pipette with a graphical interface in seven languages.



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

### 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



Easily select the pipetting volume by pressing the scroll key.

# Ordering Information

## Thermo Scientific Finnpiquette Novus Specifications\*\*

Order no.	Range	Increment	Volume µl	Inaccuracy		Imprecision		Color code	Finntip
				µl	%	s.d.*µl	CV%*		
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	±0.070	±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	±1.8	±0.6	0.6	0.2	orange	300, Flex 300
			30	±0.90	±3.0	0.21	0.7		
46200600	100-1000 µl	1 µl	1000	±6.0	±0.6	2.0	0.2	blue	1000, 1000 Ext. Flex 1000
			100	±3.0	±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.

## Thermo Scientific Finnpiquette Novus Multichannel Specifications\*\*

Order no.	Channels	Range	Increment	Volume µl	Inaccuracy		Imprecision		Color code	Finntip
					µl	%	s.d.*µl	CV%*		
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	±3.0	±1.0	0.9	0.3	orange	300, Flex 300
				30	±1.5	±5.0	0.6	2.0		
46300500	12	30-300 µl	1 µl	300	±3.0	±1.0	0.9	0.3	orange	300, Flex 300
				30	±1.5	±5.0	0.6	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.

## Complete Pipetting Systems

**Our Thermo Scientific Finntip pipette tips combined with Novus Finnpiettes form complete, optimized pipetting systems virtually every application. Our selection of Finntips are ideal for a wide range of needs, from day-to-day pipetting to special tips, wide orifice tips, positive displacement tips and stepper tips.**

### Innovative Flex Tips

Our latest breakthrough in pipette tip technology is the innovative Finntip Flex system. The Flex system is comprised of easy-to-use, flexible high quality tips and a tip rack with space-saving refill kits. Finntip Flex tips are available in a range of volumes covering 0.1-10  $\mu\text{l}$  tips to 1200  $\mu\text{l}$  tips, as well as a 10 ml tip, and are available as standard racked tips, sterile tips or filter tips.

### Increased Precision

Finntip Flex tips are molded with diamond-polished tooling for an extra smooth tip surface and improved tip transparency. The smooth tip wall surface prevents liquid retention and helps to achieve better pipetting precision than non-polished tips. Precision values can be improved by approximately 50% when pipetting small volumes.

### Improved Performance

With their special thin-wall molding, the soft Flex tips reduce the amount of force needed to attach and eject tips, significantly lowering the risk of RSI. A better seal with the pipette module is achieved for greater accuracy and precision.

### Racks and Refills

Finntip Flex racks are easy to open with one hand and have a sturdy base and non-slip feet. In addition, the refill system saves space and allows fast tip matrix plate attachment with just one click. Ten refill plates are stacked to reduce material use, eliminate waste and keep the tips free from dust.

**Contact your local representative or visit [www.thermo.com/finnpipette](http://www.thermo.com/finnpipette) for ordering information.**





# Thermo Scientific Finntip Flex Ordering Information

## 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

## 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: 6.2 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	1x96/rack + 16x96/refill
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 10 ml Ext.	100/bag
94060973	Flex 10 ml Ext. sterile	50/bag

Length: 26.7 cm

## Finntip Flex - Filter Pipette Tips



Cat. no.	Description	Volume $\mu$ l	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 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





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**North America:** +1 800 345 0206

**Europe:** Austria +43 1 801 40 0, Belgium +32 2 482 30 30, Finland/Nordic +358 9 329 100, France +33 2 28 03 20 00,

**Germany:** National Toll Free 08001-536 376, 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 3154, Switzerland +41 44 454 12 12, UK/Ireland +44 870 609 9203

**Asia:** India +91 22 5542 9494, Japan +81 45 453 9220, China +86 21 6865 4588 or +86 10 5850 3588, Other Asian countries +852 2885 4613

**Countries not listed:** +49 6184 90 6940 or +33 2 28 03 20 00

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