

# The Thermo Scientific Finnpiquette F1

The Thermo Scientific Finnpiquette F1 introduces a new level of sophistication to the world of pipetting. The Finnpiquette F1 combines all the features that Finnpiquettes are famous for with state-of-the-art innovations – this is the first time that a pipetting company has used antimicrobial treatment on its pipettes. And, with a 5 year warranty to back it up, you can be sure of reliable, repeatable, and unbeatable pipetting performance.



## 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.

## Integrated Surface Protection

We are the first pipetting company in the world to incorporate antimicrobial treatment in our pipettes. The handle of the Finnpiquette F1 is impregnated with silver ions, which inhibit the growth of bacteria, fungus, mold and other microbes. This antimicrobial treatment actively protects the Finnpiquette F1 against contamination from aerosols or user contact. The impregnated

silver ions use the hands' natural moisture to initiate the process. The antimicrobial surface also prevents contamination of samples via the pipette and helps keep the pipette clean without the use of additional surface decontamination liquids. The entire pipette is resistant to UV light, reagents and moisture.

## Set and Forget Volume Adjustment

Another user-friendly feature is the new Set and Forget locking volume setting mechanism. 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. And, when 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 RSI.

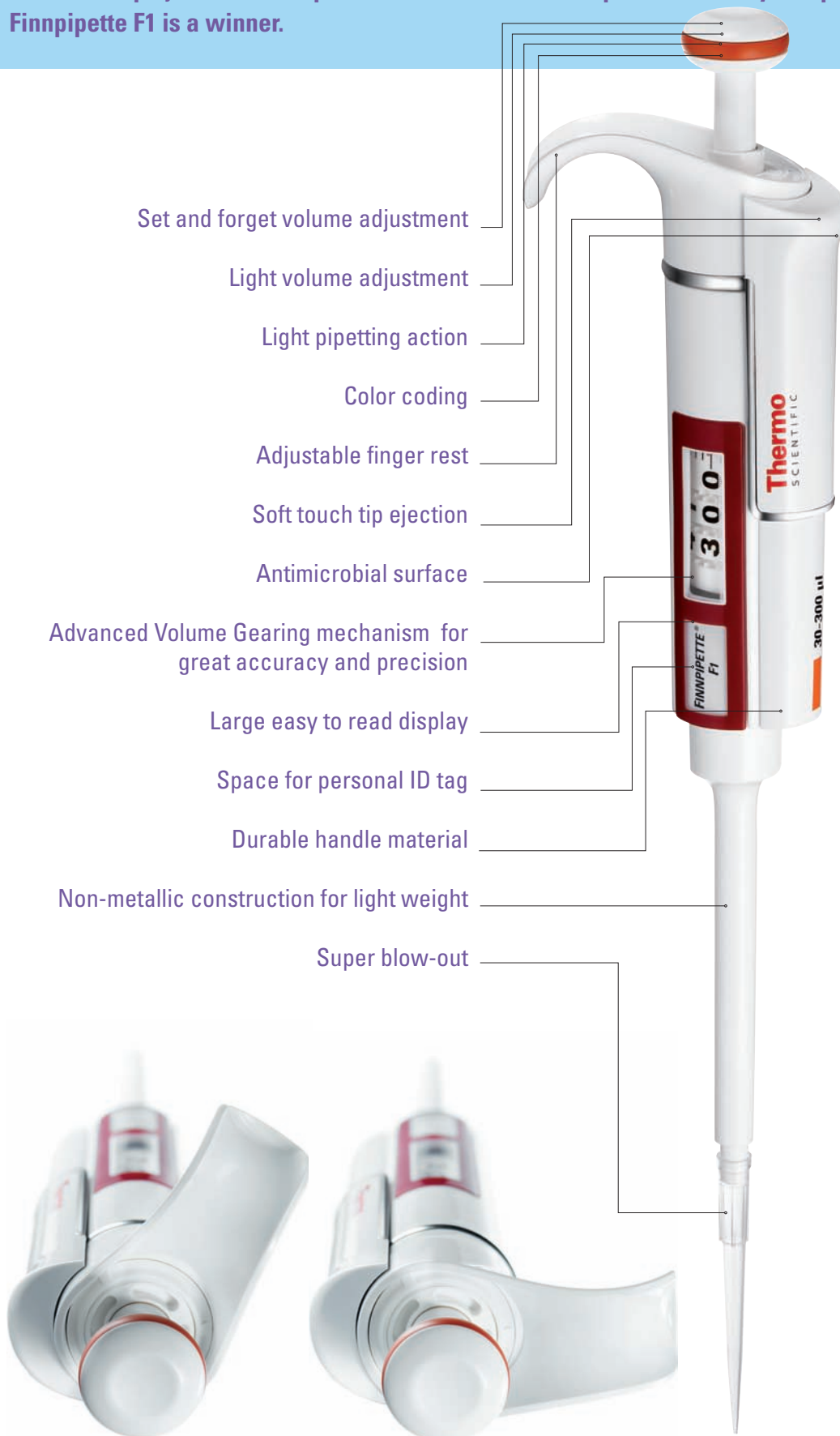
## Light Pipetting Action

The Finnpiquette F1 has a very light pipetting action that requires just a small amount of effort. Because of this, the risk of Repetitive Strain Injury (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 50 µl and below.

# Outstanding Performance with Unmatched Ergonomics

The Thermo Scientific Finnpiquette F1 is built on almost 40 years of pipetting experience. While adding outstanding new features, such as the adjustable finger rest, it also includes classic Finnpiquette touches like soft touch tip ejection and super blow-out. Add to this superior accuracy and precision, and you know the Finnpiquette F1 is a winner.



## 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 0.002  $\mu$ l and 0.01 ml 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.



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

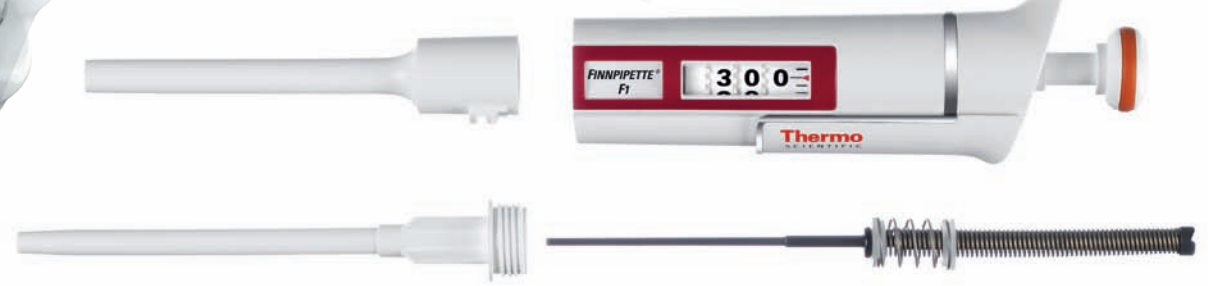


### Select your FinnpiPETTE F1

FinnpiPETTE F1 pipettes are available in a whole range of single channel and multichannel models. In addition, the single channel pipettes are available as variable volume or fixed volume models.

### Thermo Scientific FinnpiPETTE F1 Multichannels

FinnpiPETTE F1 multichannel pipettes are available in 8-, 12- and 16-channel models with a wide selection of volume ranges. As with the single channel FinnpiPETTE 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.



### 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*	5-200	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

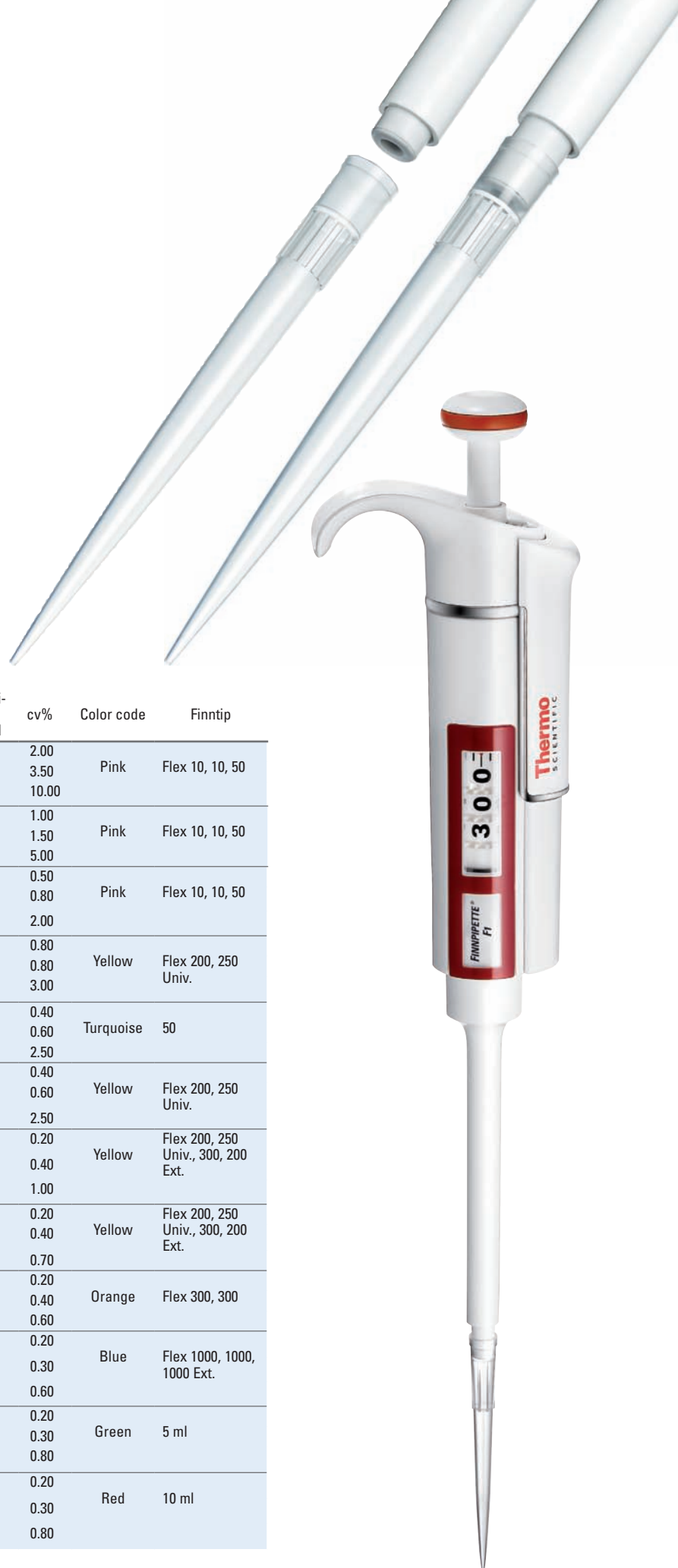
Cat. no.	Description	Quantity
9402 150	Finntip 10 ml	40/box
9402 151	Finntip 10 ml	100/bag
9402 160	Finntip 10 ml	5x24/rack
9402 163	Finntip 10 ml sterile	5x24/rack

Color code: Red Length: 15.0 cm

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

### Finnpipette F1 Variable Volume Single Channel

Cat.no.	Range	Increment	Volume $\mu$ l	Inaccuracy $\mu$ l	%	Imprecision s.d.* $\mu$ l	cv%	Color code	Finntip
4641010	0.2-2 $\mu$ l	0.002 $\mu$ l	2	$\pm$ 0.050	$\pm$ 2.50	0.040	2.00	Pink	Flex 10, 10, 50
			1	$\pm$ 0.040	$\pm$ 4.00	0.040	3.50		
			0.2	$\pm$ 0.024	$\pm$ 12.00	0.020	10.00		
4641020	0.5-5 $\mu$ l	0.01 $\mu$ l	5	$\pm$ 0.080	$\pm$ 1.50	0.050	1.00	Pink	Flex 10, 10, 50
			2.5	$\pm$ 0.0625	$\pm$ 2.50	0.0375	1.50		
			0.5	$\pm$ 0.030	$\pm$ 6.00	0.025	5.00		
4641030	1-10 $\mu$ l	0.02 $\mu$ l	10	$\pm$ 0.100	$\pm$ 1.00	0.050	0.50	Pink	Flex 10, 10, 50
			5	$\pm$ 0.080	$\pm$ 1.50	0.040	0.80		
			1	$\pm$ 0.025	$\pm$ 2.50	0.020	2.00		
4641040	1-10 $\mu$ l	0.02 $\mu$ l	10	$\pm$ 0.100	$\pm$ 1.00	0.080	0.80	Yellow	Flex 200, 250 Univ.
			5	$\pm$ 0.080	$\pm$ 1.50	0.040	0.80		
			1	$\pm$ 0.035	$\pm$ 3.50	0.030	3.00		
4641050	2-20 $\mu$ l	0.02 $\mu$ l	20	$\pm$ 0.20	$\pm$ 1.00	0.08	0.40	Turquoise	50
			10	$\pm$ 0.15	$\pm$ 1.50	0.06	0.60		
			2	$\pm$ 0.06	$\pm$ 3.00	0.05	2.50		
4641060	2-20 $\mu$ l	0.02 $\mu$ 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		
4641070	10-100 $\mu$ l	0.2 $\mu$ l	100	$\pm$ 0.80	$\pm$ 0.80	0.20	0.20	Yellow	Flex 200, 250 Univ., 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		
4641080	20-200 $\mu$ l	0.2 $\mu$ l	200	$\pm$ 1.2	$\pm$ 0.60	0.4	0.20	Yellow	Flex 200, 250 Univ., 300, 200 Ext.
			100	$\pm$ 1.0	$\pm$ 1.00	0.4	0.40		
			20	$\pm$ 0.36	$\pm$ 1.80	0.14	0.70		
4641090	30-300 $\mu$ l	1 $\mu$ l	300	$\pm$ 1.8	$\pm$ 0.60	0.6	0.20	Orange	Flex 300, 300
			150	$\pm$ 1.5	$\pm$ 1.00	0.6	0.40		
			30	$\pm$ 0.45	$\pm$ 1.50	0.18	0.60		
4641100	100-1000 $\mu$ l	1 $\mu$ l	1000	$\pm$ 6.0	$\pm$ 0.60	2.0	0.20	Blue	Flex 1000, 1000, 1000 Ext.
			500	$\pm$ 4.0	$\pm$ 0.80	1.5	0.30		
			100	$\pm$ 1.0	$\pm$ 1.00	0.6	0.60		
4641110	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		
4641120	1-10 ml	0.02 ml	10000	$\pm$ 50.0	$\pm$ 0.50	20.0	0.20	Red	10 ml
			5000	$\pm$ 40.0	$\pm$ 0.80	15.0	0.30		
			1000	$\pm$ 20.0	$\pm$ 2.00	8.0	0.80		



### Finnpipette F1 Variable Volume Multichannel

Cat.no.	Channels	Range	Increment	Volume $\mu$ l	Inaccuracy $\mu$ l	%	Imprecision s.d.* $\mu$ l	cv%	Color code	Finntip
4661000	8	1.0-10 $\mu$ l	0.02 $\mu$ l	10	$\pm$ 0.240	$\pm$ 2.40	0.160	1.60	Pink	Flex 10, 10, 50
				5	$\pm$ 0.200	$\pm$ 4.00	0.150	3.00		
				1	$\pm$ 0.120	$\pm$ 12.00	0.080	8.00		
4661010	8	5-50 $\mu$ l	0.1 $\mu$ 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		
4661020	8	10-100 $\mu$ l	0.2 $\mu$ 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		
4661030	8	30-300 $\mu$ l	1 $\mu$ l	300	$\pm$ 3.0	$\pm$ 1.00	0.9	0.30	Orange	Flex 300, 300
				150	$\pm$ 2.25	$\pm$ 1.50	0.75	0.50		
				30	$\pm$ 1.5	$\pm$ 5.00	0.6	2.00		
4661040	12	1.0-10 $\mu$ l	0.02 $\mu$ l	10	$\pm$ 0.240	$\pm$ 2.40	0.160	1.60	Pink	Flex 10, 10, 50
				5	$\pm$ 0.200	$\pm$ 4.00	0.150	3.00		
				1	$\pm$ 0.120	$\pm$ 12.00	0.080	8.00		
4661050	12	5-50 $\mu$ l	0.1 $\mu$ 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		
4661060	12	10-100 $\mu$ l	0.2 $\mu$ 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		
4661070	12	30-300 $\mu$ l	1 $\mu$ l	300	$\pm$ 3.0	$\pm$ 1.00	0.9	0.30	Orange	Flex 300, 300
				150	$\pm$ 2.25	$\pm$ 1.50	0.75	0.50		
				30	$\pm$ 1.5	$\pm$ 5.00	0.6	2.00		
4661080	16	1.0-10 $\mu$ l	0.02 $\mu$ l	10	$\pm$ 0.240	$\pm$ 2.40	0.160	1.60	Purple	Flex 10 (384), 50
				5	$\pm$ 0.200	$\pm$ 4.00	0.150	3.00		
				1	$\pm$ 0.120	$\pm$ 12.00	0.080	8.00		
4661090	16	5-50 $\mu$ l	0.1 $\mu$ l	50	$\pm$ 0.75	$\pm$ 1.50	0.35	0.70	Turquoise	50
				25	$\pm$ 0.625	$\pm$ 2.50	0.30	1.20		
				5	$\pm$ 0.25	$\pm$ 5.00	0.10	2.00		



### Finnpipette F1 Fixed Volume Single Channel

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

\*s.d. = Standard deviation; CV = Coefficient of variation

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

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