

**Master of purity, performance and precision.**

**Thermo Scientific  
Finnpipette® F1**



**New antimicrobial surface**



**New adjustable finger rest**



**New set and forget volume adjustment**



**New AVG improves accuracy and precision**



# 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.



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

## 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.



### Select your Finnpiquette 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 Finnpiquette 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 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.



# Thermo Scientific Finntip® – Complete pipetting systems

Our Finntip pipette tips combine with Finnpiettes to form a complete, optimized pipetting system. Our selection of Finntips covers everything you are likely to need, from day to day pipetting to special tips, wide orifice tips, positive displacement tips, and stepper tips.



## Finntip Flex Tips

Our latest breakthrough in pipette tip technology is the innovative Finntip Flex system. Designed to meet the needs of today's pipette users, the Finntip Flex system consists of easy-to-use, soft, flexible high-end tips and a tip rack with space-saving refill kits. Finntip Flex tips are available in a range of volumes covering 0.1-10 µl tips to 1200 µl tips, as well as a 10 ml tip, and come as standard racked tips, sterile tips or filter tips.

## Extra smooth tip surface

All 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. The increased precision is most beneficial with small volume

pipetting where precision values can be improved by approximately 50%.

## All round flexibility

With their special thin wall molding, the soft tip of the Finntip Flex 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, for greater accuracy and precision.

## Finntip Racks and Refills

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

For information on our full product range the Thermo Scientific Finnpiette and Finntip Catalog is available from your nearest representative and can also be downloaded from: [www.thermo.com/finnpiette](http://www.thermo.com/finnpiette)

### 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: 6.2 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	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

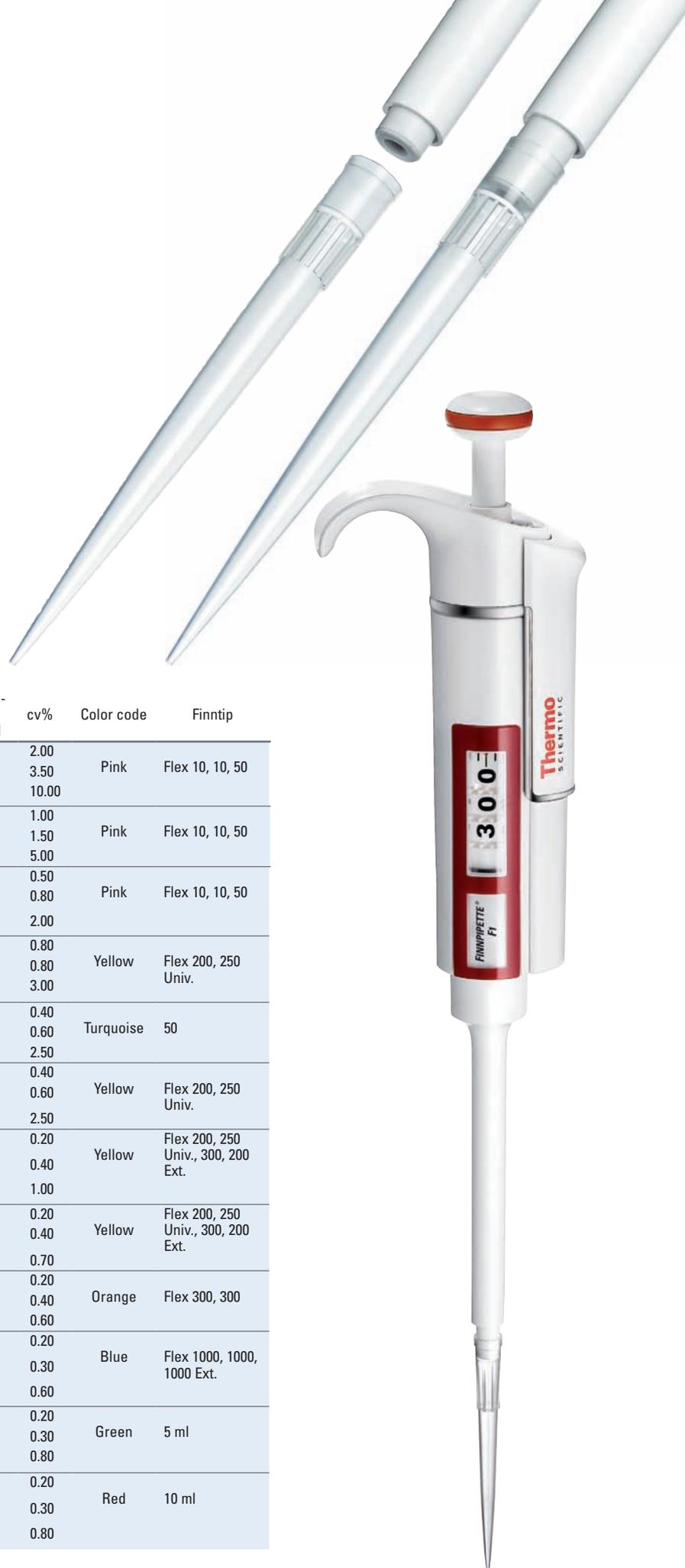
Cat. no.	Description	Quantity
9402 150	Finntip 10 ml	40/box
9402 151	Finntip 10 ml	100/bag
9402 160	Finntip 10 ml	5x24/rack
9402 163	Finntip 10 ml sterile	5x24/rack

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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