

Thermo Scientific Finnpipette® Focus



Ergonomic Solutions for
Precise Pipetting

Thermo Scientific Finnpiquette Focus

Convenience and comfort are designed into the Thermo Scientific Finnpiquette Focus around the most important feature – extremely accurate and precise pipetting. The unique design specifically reduces user stress and optimizes pipetting performance so that you can set the volumes you need quickly and focus on your work.

Thermo Scientific Finnpiquette Focus Pipettes Have All the Features You Need

Designed with Scientific Methods

Because of concerns about pipetting related RSI there is great interest in finding out how pipette design can improve usability and ergonomics. Finnpiquette Focus pipettes are carefully designed to meet these concerns. The shaped handle of Finnpiquette Focus fit to your hand perfectly, making the pipetting as comfortable, ergonomic and pleasant to use as possible.

Revolutionary Fast Volume Setting

All Finnpiquette Focus pipettes feature an advanced fast volume setting mechanism. Unique to Finnpiquettes, this innovative fast volume control uses the color coded adjustment knob to allow rapid volume setting, which makes your work faster, more efficient, and less stressful. Only 5 revolutions are needed to change to the highest volume setting, and in some cases even less e.g. Finnpiquette Focus 30-300 µl needs only 3 revolutions.

Advanced Fine Adjustment

The new fine volume adjustment wheel is the result of customer feedback. The fine tuning mechanism has been designed to assist setting the volume of the last digit. The large easy-to-use quick-click wheel makes it easy to set small volume increments.

Soft-touch Tip Ejection

The whole pipetting process is optimized from start to finish with the Finnpiquette Focus – from setting the volume and pipetting, to tip ejection. The soft-touch tip ejector of Finnpiquette Focus pipettes makes tip ejection incredibly easy. The advanced gearing mechanism produces more down force on the tip, with less effort, releasing the tip with just a gentle push.

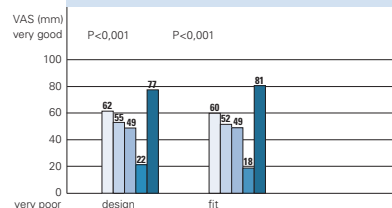
Autoclavability

To ensure absolute sterility and to prevent cross contamination, the whole Finnpiquette Focus range is fully autoclavable at 121°C. The entire pipette can be autoclaved in one piece.

Proven Ergonomics

Figure 1.

Comparison of test subject assessment of pipette usability regarding the design, and fit in the pipetting hand of the different pipettes. A design that takes the human body into account makes the pipette more ergonomic and pleasant to use, eg. when the pipette has a finger rest.



The ergonomics and usability study

The ergonomics and usability study demonstrated that Finnpiquette Focus was remarkably ergonomic. The results thus showed that applying scientific methods to pipette design can successfully improve their ergonomics.

For more information on ergonomics, and usability study please visit www.thermo.com/finnpiquette



Longest warranty in the industry

First in the world, we offer 5-year warranty for manual Finnpiquettes. This unique and incredible benefit is a promise from Thermo Fisher Scientific to provide the highest quality pipettes for its customers. 5-year warranty is provided to each registered customer, the non-registered pipette owners get automatically 3-year warranty.

Thermo Scientific Finnpipette Focus Standard

Comfortable Liquid Handling

The Finnpipette Focus Standard has a long, slender tip cone for pipetting from test tubes, bottles, flasks and other narrow and long necked vessels. Finnpipette Focus Standard and Finnpipette Focus Short features super blow-out technology for accuracy and precision. The whole pipette is fully autoclavable.

Practical Ergonomic Features

Finnpipette Focus Standard has the same ergonomic features as the Finnpipette Focus short range. Its light weight and grippy finger rest, make Finnpipette Focus Standard more comfortable to use, and reduce strain during repetitive pipetting tasks from narrow and long necked vessels.

Thermo Scientific Finnpipette Fixed Volume Standard

Finnpipette Focus Fixed Volume Single Channel Pipettes

Fixed volume pipettes are ideal for repeated pipetting of single volumes. Finnpipette Focus Fixed Volume pipettes are now available in short and long tip-cone format. The Finnpipette Focus Standard Fixed Volume pipettes have a long, slender tip cone for repeated pipetting of a fixed volume from narrow and long necked vessels. All Finnpipette Focus Fixed Volume pipettes have the same ergonomic advantages as the adjustable volume Finnpipette Focus range, including soft-touch tip ejection, the and super blow-out.

Finnpipette Focus Fixed Volume pipettes are available in a range of volumes, and are provided with dark blue handles.



Thermo Scientific Finnpiquette Focus Multichannel Plus

Improved Accuracy and Precision

Finnpipette Focus Multichannel Plus speeds up repetitive dispensing. The improved design and new mechanical solutions of Finnpiquette Focus Multichannel Plus improves accuracy and precision. Finnpiquette Focus Multichannel Plus models are available in 1-10 μl , 5-50 μl and 30-300 μl volume ranges with 8-, 12- or 16- channels. In the low volume multichannel pipettes, the super blow-out function ensures accurate delivery of microsized drops.

Ergonomic Multichannel Pipetting

Finnpipette Focus Multichannel Plus models have a new redesigned light weight tip cone module for improved ergonomics. The grippy finger rest enables the optimum pipetting angle, improving pipetting results. Finnpiquette Focus Multichannel Plus is more comfortable and less tiring over periods of repetitive pipetting. The soft-touch tip ejection is more efficient and requires less effort, which is especially important with multichannel pipettes.



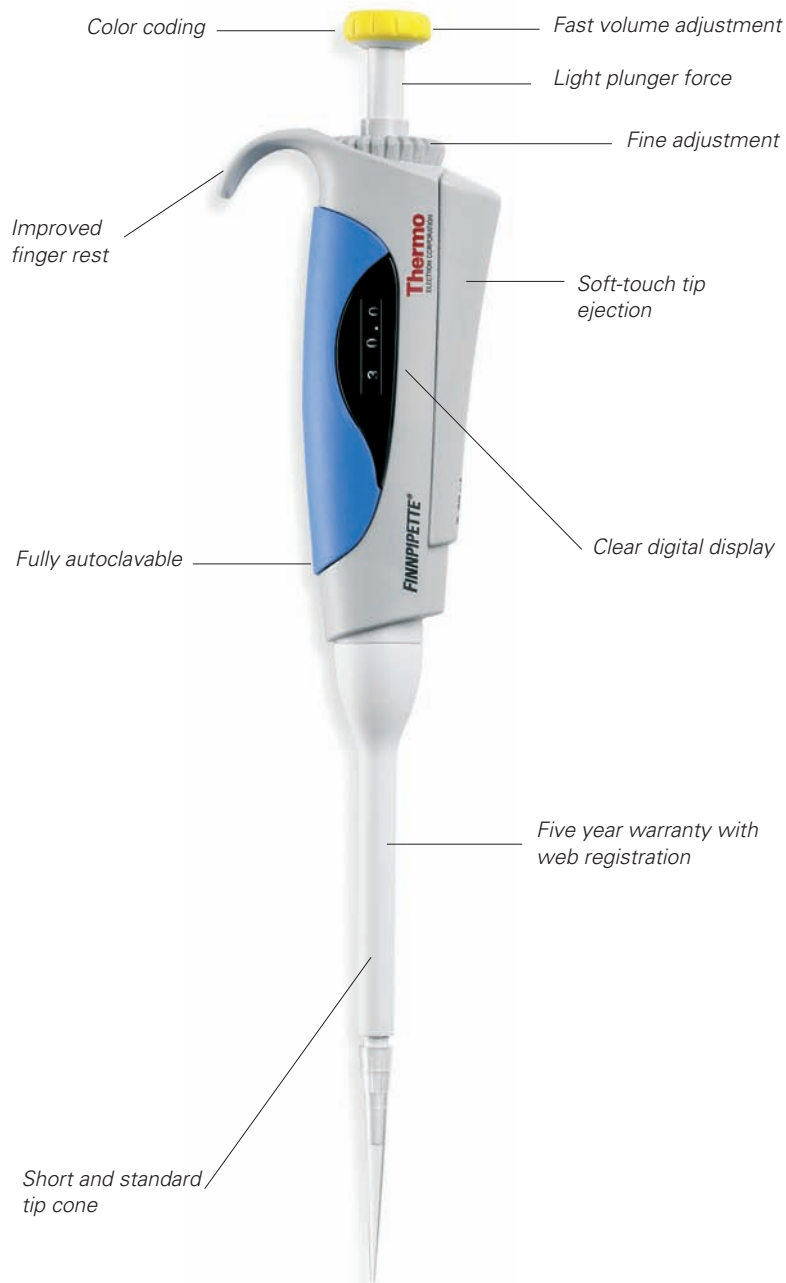
Improve your work with Thermo Scientific Finntips

Pipette tips must meet the requirements of the pipette. To obtain the greatest accuracy, tips must be of the best quality and be designed for the pipette.

Finntips are tested to meet our strict production standards and customer needs.



Special Features of Thermo Scientific FinnpiPette Focus



Go for the best pipetting results

- Quick volume setting and fine adjustment wheels
- Increased accuracy with super blow-out
- Well placed soft-touch tip ejection button
- Improved grippy finger rest for natural pipetting angle
- Ergonomic design to minimize repetitive pipetting stress

Thermo Scientific Finntip®

Thermo Scientific Finntip pipette tips complement the Finnpiquette product range 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 μ l 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 μ l-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, for any 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

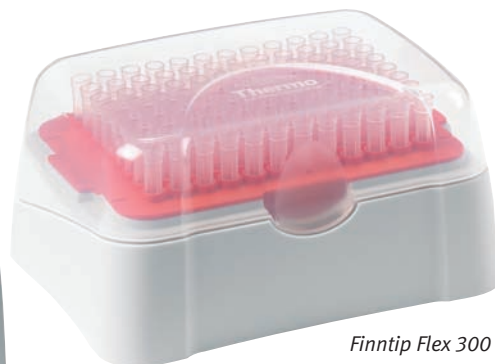
The kits contain two refill towers of 10 matrix plates each. Finntip 250 Universal can be used for a volume range of 0.5 – 250 μ l whilst Finntip 10 can be used for 0.2 -10 μ l. Finntip 250 and Finntip 10 Refills can be used with standard Finntip racks.

Finntip Filter 0.2 μ l-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 μ l 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 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 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 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 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 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 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 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	

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	

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

Finnpipette Focus Variable Volume**

Cat. no.	Cat. no.	Range	Increment	Volume	Inaccuracy µl	%	Imprecision s.d.* µl	CV%*	Color code	Finntip
Standard tip	Cone Short tip Cone									
4600 150	4600 100	0.3-3 µl	0.01 µl	3 µl	±0.075	±2.5	0.060	2.0	pink	10
				0.3 µl	±0.030	±10	0.024	8.0		
4600 160	4600 110	0.5-5 µl	0.01 µl	5 µl	±0.05	±1.0	0.040	0.8	pink	10
				0.5 µl	±0.018	±3.5	0.015	3.0		
4600 170	4600 080	1-10 µl	0.01 µl	10 µl	±0.10	±1.0	0.05	0.5	pink	10
				1 µl	±0.025	±2.5	0.02	2.0		
4600 180	4600 010	1-10 µl	0.01 µl	10 µl	±0.10	±1.0	0.05	0.5	yellow	250 Univ., 200 Ext.
				1 µl	±0.035	±3.5	0.03	3.0		
4600 190	4600 120	3-30 µl	0.1 µl	30 µl	±0.24	±0.8	0.12	0.4	turquoise	50
				3 µl	±0.105	±3.5	0.09	3.0		
4600 200	4600 130	3-30 µl	0.1 µl	30 µl	±0.24	±0.8	0.12	0.4	yellow	250 Univ., 200 Ext.
				3 µl	±0.105	±3.5	0.09	3.0		
4600 210	4600 090	5-50 µl	0.1 µl	50 µl	±0.30	±0.6	0.15	0.3	turquoise	50
				5 µl	±0.15	±3.0	0.125	2.5		
4600 220	4600 020	5-50 µl	0.1 µl	50 µl	±0.30	±0.6	0.15	0.3	yellow	250 Univ., 200 Ext.
				5 µl	±0.15	±3.0	0.125	2.5		
4600 230	4600 030	10-100 µl	0.1 µl	100 µl	±0.80	±0.8	0.20	0.2	yellow	250 Univ., 200 Ext.
				10 µl	±0.30	±3.0	0.10	1.0		
4600 240	4600 040	30-300 µl	1 µl	300 µl	±1.8	±0.6	0.6	0.2	orange	300
				30 µl	±0.45	±1.5	0.108	0.6		
4600 250	4600 050	100-1000 µl	1 µl	1000 µl	± 6.0	± 0.6	2.0	0.2	blue	1000, 1000 Ext.
				100 µl	±1.0	±1.0	0.6	0.6		
4600 400		0.5-5 ml	0.01 ml	5000 µl	±25.0	±0.5	10.0	0.2	green	5 ml
				500 µl	±10.0	±2.0	4.0	0.8		
4600 410		1-10 ml	0.01 ml	10000 µl	±50.0	±0.5	20.0	0.2	red	10 ml
				1000 µl	±20.0	±2.0	8.0	0.8		

* s.d. = Standard Deviation, CV = Coefficient of Variation ** Factory calibration limits

Finnpipette Focus Fixed Volume**

Cat. no.	Cat. no.	Volume	Inaccuracy µl	%	Imprecision s.d.* µl	CV %*	Finntip
Standard tip	Cone Short tip Cone						
4601 160	4601 000	1 µl	±0.04	±4.0	0.04	4.0	10, 20, 50
4601 170	4601 010	2 µl	±0.05	±2.5	0.04	2.0	10, 20, 50
4601 180	4601 020	5 µl	±0.07	±1.4	0.07	1.4	10, 20, 50
4601 190	4601 030	10 µl	±0.09	±0.9	0.08	0.8	10, 20, 50
4601 200	4601 040	20 µl	±0.12	±0.6	0.10	0.5	250 Universal, 300, 200 Ext.
4601 210	4601 050	25 µl	±0.15	±0.6	0.13	0.5	250 Universal, 300, 200 Ext.
4601 220	4601 060	50 µl	±0.3	±0.6	0.2	0.4	250 Universal, 300, 200 Ext.
4601 230	4601 070	100 µl	±0.4	±0.4	0.3	0.3	250 Universal, 300, 200 Ext.
4601 240	4601 080	200 µl	±0.8	±0.4	0.6	0.3	250 Universal, 300, 200 Ext.
4601 250	4601 090	250 µl	±1.0	±0.4	0.8	0.3	250 Universal, 300
4601 260	4601 100	500 µl	±1.5	±0.3	1.5	0.3	1000, 1000 Ext.
4601 270	4601 110	1000 µl	±3.0	±0.3	3.0	0.3	1000, 1000 Ext.
4601 120		2000 µl	±6.0	±0.3	4.0	0.2	5 ml
4601 130		3000 µl	±9.0	±0.3	6.0	0.2	5 ml
4600 140		5000 µl	±15.0	±0.3	10.0	0.2	5 ml
4600 150		10 ml	±30.0	±0.3	20.0	0.2	10 ml

* s.d. = Standard Deviation, CV = Coefficient of Variation ** Factory calibration limits

Finnpipette Focus Multichannel Plus**

Cat. no.	Channels	Range	Increment	Volume	Inaccuracy µl	%	Imprecision s.d.* µl	CV%*	Color code	Finntip
4610 100	8	1-10 µl	0.1 µl	10 µl	±0.24	±2.4	0.16	1.6	pink	10, 20, 50
				1 µl	±0.12	±12	0.08	8.0		
4610 110	12	1-10 µl	0.1 µl	10 µl	±0.24	±2.4	0.16	1.6	pink	10, 20, 50
				1 µl	±0.12	±12	0.08	8.0		
4610 120	8	5-50 µl	0.1 µl	50 µl	±0.75	±1.5	0.35	0.7	yellow	250 Univ., 200 Ext.
				5 µl	±0.25	±5	0.10	2.0		
4610 130	12	5-50 µl	0.1 µl	50 µl	±0.75	±1.5	0.35	0.7	yellow	250 Univ., 200 Ext.
				5 µl	±0.25	±5	0.10	2.0		
4610 140	8	30-300 µl	1 µl	300 µl	±3	±1	0.9	0.3	orange	300
				30 µl	±1.5	±5.0	0.6	2.0		
4610 150	12	30-300 µl	1 µl	300 µl	±3	±1	0.9	0.3	orange	300
				30 µl	±1.5	±5.0	0.6	2.0		
4610 170	16	5-50 µl	0.1 µl	50 µl	±0.75	±1.5	0.35	0.7	turquoise	50
				5 µl	±0.25	±5.0	0.10	2.0		

* s.d. = Standard Deviation, CV = Coefficient of Variation ** Factory calibration limits



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