

# Finnpipette® Focus

## Effective micro pipetting – 0.3-1000 µl

To consistently achieve the best results, laboratories must optimise their working methods. Important aspects of working methods that must be considered, include ensuring reliable, accurate and precise microvolume pipetting, and ergonomic and healthy working conditions.

The new Finnpipette Focus is a uniquely ergonomic pipette that is available in a range of single channel variable volume pipettes that incorporate our proven super blow-out technology. An advanced, patented telescopic piston boosts the power of the blow-out step, preventing capillary action and ensuring precise delivery of microvolumes. Super blow-out ensures that whatever volume you select, it will be aspirated and dispensed with the highest accuracy and precision.

## New ideas for better ergonomics

Combined with its light weight and the improved grippy finger rest, the innovative short tip cone of Finnpipette Focus makes controlling the tip much easier and minimises hand and arm stress and strain during pipetting. Additionally, the soft ergonomic, snap-on handle is available in three different sizes: small, medium, and large. By choosing the size suitable for you, you can personalise your Finnpipette Focus to fit your hand, making it as comfortable, ergonomic and pleasant to use as possible.

## Revolutionary fast volume setting

All Finnpipette Focus pipettes feature an advanced fast volume setting mechanism. Unique to Finnpipettes, this innovative fast volume control uses the colour coded adjustment knob to allow rapid volume setting, which makes your work faster, more efficient and less stressful.

## Advanced fine adjustment

The new fine volume adjustment wheel allows easy adjustment of the last digit of your microvolumes. The design of the large, easy-to-use, quick-click wheel makes setting small volume increments quick and easy.

- Good Laboratory Pipetting
- Uniquely ergonomic design
- Fully autoclavable for absolute sterility



Finnpipette Focus - micro range									
Cat. no.	Range	Increment	Volume	Accuracy µl	%	Precision s.d.* µl	cv%*	Colour code	Finntip
4600100	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		
4600110	0.5-5 µl	0.01 µl	5 µl	±0.05	±1.0	0.04	0.8	pink	10
			0.5 µl	±0.018	±3.5	0.015	3.0		
4600080	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		
4600010	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		
4600120	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		
4600130	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		
4600090	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		
4600020	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		
4600030	10-100 µl	0.1 µl	100 µl	±0.80	±0.8	0.20	2	yellow	250 Univ., 200 Ext.
			10 µl	±0.30	±3.0	0.10	1.0		
4600040	30-300 µl	1 µl	300 µl	±1.8	±0.6	0.60	2	orange	300
			30 µl	±0.45	±1.5	0.108	0.6		
4600050	100-1000 µl	1 µl	1000 µl	±6.0	±0.6	2.0	2	blue	1000, 1000 Ext.
			100 µl	±1.0	±1.0	0.6	0.6		

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

# Finnpipette® Focus Multichannel Pipettes

## Improved accuracy and precision

Finnpipette Focus Multichannel pipettes speed up repeat dispensing of reagents into microplates, with super blow-out for 0.1-10 µl volumes. The improved design of Finnpipette Focus MCPs, combined with super blow-out, ensures improved accuracy and precision. Finnpipette Focus multichannels are available in 1-10 µl, 5-50 µl and 30-300 µl volume ranges with 8- or 12-channels.

## Ergonomic multichannel pipetting

Finnpipette Focus multichannels have the same ergonomic advantages as Finnpipette Focus single channel pipettes. The grippy finger rest lets the pipette balance at the optimum pipetting angle while the soft ergonomic, snap-on handle can be selected from three different sizes: small, medium, and large, to best fit your hand. These ergonomic considerations make Finnpipette Focus multichannels much more comfortable and less tiring over long periods of repetitive pipetting. Additionally, the soft-touch tip ejection is more efficient and requires less effort, which is especially important with multichannel pipettes.

## Common application areas include:

- Clinical laboratories
- Biotechnology laboratories
- Chemical laboratories
- Environmental laboratories
- Food laboratories

- Superior accuracy and precision
- Ergonomic multichannel pipetting
- Soft-touch tip ejection



Finnpipette Focus MCP										
Cat. no.	Chan-nels	Range	Incre-ment	Volume	Accuracy		Precision		Colour	Finntip
					µl	%	s.d.*	µl	cv%*	Code
4610 000	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		
4610 010	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		
4610 020	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	0.1	2		
4610 030	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	0.1	2		
4610 040	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		
4610 050	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		

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

## Finnpipette® Focus Fixed Volume

- Single volume repeating
- Soft-touch tip ejection
- Fully autoclavable
- Ergonomic design
- Non-standard volumes available

### Finnpipette® Focus Fixed Volume single channel pipettes

Fixed volume pipettes are ideal for repeat pipettings of single volumes. The Finnpi-  
pette Focus Fixed Volume pipettes offer the same ergonomic advantages as the rest of  
the Finnpipette Focus range, including soft-touch tip ejection and the short tip cone.

Finnpipette Focus Fixed Volume pipettes are available with the standard volumes  
listed below. Finnpipette Focus Fixed Volume pipettes are provided with blue medium  
sized handles.

- Better accuracy and precision
- Comfortable to use
- Improved ergonomics



**Finnpipette Focus Fixed Volume**

Cat. no.	Volume	Accuracy		Precision		Finntip
		µl	%	s.d.* µl	CV%*	
4601 000	1 µl	±0.04	±4.0	0.04	4.0	10, 20, 50
4601 010	2 µl	±0.05	±2.5	0.04	2.0	10, 20, 50
4601 020	5 µl	±0.07	±1.4	0.07	1.4	10, 20, 50
4601 030	10 µl	±0.09	±0.9	0.08	0.8	10, 20, 50
4601 040	20 µl	±0.12	±0.6	0.10	0.5	250 Universal, 300, 200 Ext
4601 050	25 µl	±0.15	±0.6	0.13	0.5	250 Universal, 300, 200 Ext
4601 060	50 µl	±0.3	±0.6	0.2	0.4	250 Universal, 300, 200 Ext
4601 070	100 µl	±0.4	±0.4	0.3	0.3	250 Universal, 300, 200 Ext
4601 080	200 µl	±0.8	±0.4	0.6	0.3	250 Universal, 300, 200 Ext
4601 090	250 µl	±1.0	±0.4	0.8	0.3	250 Universal, 300
4601 100	500 µl	±1.5	±0.3	1.5	0.3	1000, 1000 Ext
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
4601 140	5000 µl	±15.0	±0.3	10.0	0.2	5 ml
4601 150	10 ml	±30.0	±0.3	20.0	0.2	10 ml

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

# Finnpipette® Focus

- The perfect finger rest
- Advanced pipetting performance
- High quality construction



## Macro pipetting 0.5 ml to 10 ml

Thermo Labsystems' range of Finn timer pipettes also includes models for pipetting macrovolumes up to 10 ml. The easy to use volume selection mechanism, light weight and full autoclavability of Finn timer pipettes gives them many advantages over traditional glass pipettes. The improved grippy finger rest and interchangeable handle grip of Finn timer pipettes also offer significant benefits in user comfort and ergonomics.

## The perfect grip

Finn timer pipettes are optimised for use with Finntips, to give the perfect seal between them, ensuring accuracy and precision. The light, ergonomic design minimises operator fatigue. In addition, the streamlined design allows both the bodies and tips to fit easily into narrow necked vessels.

## Advanced pipetting performance

Finn timer pipettes allow you to adjust the pipetting volume easily and to read and verify your settings in the display window.

## High quality construction

Every pipette is supplied with a calibration certificate as a guarantee of its accuracy and precision, and a calibration tool is also provided with all pipettes.

Finn timer pipettes are made from inert, biologically inactive polymers and are easy to disassemble for cleaning. The durable construction and readily available spare parts ensure a long service life, which we confidently back with a three-year warranty.

Finn timer pipette Focus - macro range									
Cat. no.	Range	Increment	Volume	Accuracy µl	%	Precision s.d*µl	CV%*	Colour Code	Finntip
4600060	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		
4600070	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