A complete seal, every time you pipette

The Thermo Scientific™ F1-ClipTip™ Pipette feature interlocking technology to ensure secure tip attachment. F1-ClipTip pipettes work exclusively with Thermo Scientific ClipTip Pipette Tips, providing a unique tip interface that locks the tip in place, and ensures a complete seal with minimal tip application and ejection forces.

Feel the assurance

Achieve newfound confidence knowing that once attached, your tips are locked firmly in place and will not fall off. Users have full control throughout pipetting, as pipette tips will only release when ejected, regardless of application pressure.

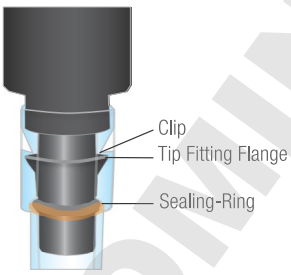
Unstoppable productivity, outstanding ease-of-use

Eliminate the frustration of banging tips on your pipette with the exclusive interlock design that ensures each tip is clipped securely on the F1-ClipTip Pipette until, and only until, it is released with a light touch. Combined with the light design and low plunger forces, the F1-ClipTip pipette helps reduce the risk of Repetitive Strain Injury (RSI).

A secure seal for every sample

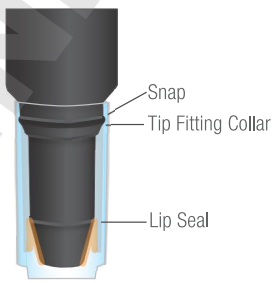
The unique interlock design ensures the pipette and tip form a complete seal to secure the sample volume in each tip for enhanced accuracy and precision.

Breakthrough ClipTip Technology



ClipTip interlocking technology that locks tips into place for a complete seal every time.

Snap and seal technology in small volume models



"Snap and Seal" technology uses small incorporated protrusions inside the tip that snap on the tip fitting collar, ensuring tip attachment with little force. The flexible plastic lip design seals the tip against the tip fitting.
Available in F1-ClipTip models 2 µl and 10 µl with compatible CT12.5 Ext tips.

* Validity may vary by country



Silent, effortless volume adjustment

Enjoy the silent and light volume adjustment mechanism with over 50% lower forces compared to earlier models. Improved grip on the volume adjustment knob ensures effortless and precise adjustment.

Secure volume lock

The user-friendly locking mechanism securely locks the volume into place to avoid volume drift during pipetting. Simply lift the plunger up to set volume and press down to lock in place with minimum effort.

Adjustable finger rest

The finger rest adjusts up to 120° for the most ergonomic and comfortable pipetting position. This feature is optimal for individual pipetting preferences of both right- and left-handed users.

New small volume pipette models

New 2 µl and 10 µl pipette models will improve your performance in small volume applications requiring enhanced accuracy and precision.

Industry-leading lifetime warranty

With convenient online registration.*

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Thermo Scientific F1-ClipTip Pipettes

Handle Material	ABS+PC (acrylonitrilebutadienstyrene/polycarbonate)
Piston Material	PEI (polyetherimide) and Stainless Steel (low volumes)
Tip Cone Assy	PA (polyamide) and PVDF (polyvinyldenfluoride); Autoclavable
Tip Fitting	**Models 2-10 µL:** PEI (polyetherimide); Autoclavable **Models 20-1000µL:** PPSU (polyphenylsulfone); O-ring material FVM (fluorosilicone rubber); Autoclavable
Weight (g)	Single Channel: 63-69 8-Channel: 133-169 12-Channel: 159-214

- 2 µL/10 µL / 12.5 µL/ 20 µL
- 30 µL/ 50 µL
- 100 µL/ 125 µL/ 200 µL
- 300 µL
- 850 µL/ 1000 µL
- 1250 µL

Pipette Cat. No.	Color Key / Description	Increment	Volume µL	Inaccuracy µL	Inaccuracy %	Imprecision s.d.* µL	Imprecision cv%	Compatible ClipTip
F1-ClipTip Variable Volume Single Channel Pipettes								
4641310N	F1-ClipTip 0.1-2 µL	0.002 µL	2	±0.050	±2.50	0.040	2.00	ClipTip 12.5 Ext
			1	±0.040	±4.00	0.035	3.50	
			0.2	±0.024	±12.00	0.020	10.00	
			0.1	±0.033	±33.00	0.025	25.00	
4641320N	F1-ClipTip 1-10 µL	0.02 µL	10	±0.100	±1.00	0.05	0.50	ClipTip 12.5 Ext
			5	±0.075	±1.50	0.04	0.80	
			1	±0.025	±2.50	0.02	2.00	
4641180N	F1-ClipTip 2-20 µL	0.02 µL	20	±0.20	±1.00	0.08	0.40	ClipTip 20
			10	±0.15	±1.50	0.06	0.60	
			2	±0.06	±3.00	0.05	2.50	
4641190N	F1-ClipTip 5-50 µL	0.1 µL	50	±0.30	±0.60	0.15	0.30	ClipTip 50
			25	±0.25	±1.00	0.125	0.50	
			5	±0.15	±3.00	0.125	2.50	
4641200N	F1-ClipTip 10-100 µL	0.2 µL	100	±0.80	±0.80	0.20	0.20	ClipTip 200
			50	±0.60	±1.20	0.20	0.40	
			10	±0.30	±3.00	0.10	1.00	
4641210N	F1-ClipTip 20-200 µL	0.2 µL	200	±1.20	±0.60	0.40	0.20	ClipTip 200
			100	±1.00	±1.00	0.40	0.40	
			20	±0.36	±1.80	0.14	0.70	
4641220N	F1-ClipTip 30-300 µL	1 µL	300	±1.80	±0.60	0.60	0.20	ClipTip 300, ClipTip 300 Ext**
			150	±1.50	±1.00	0.60	0.40	
			30	±0.45	±1.50	0.18	0.60	
4641230N	F1-ClipTip 100-1000 µL	1 µL	1000	±6.00	±0.60	2.00	0.20	ClipTip 1000
			500	±4.00	±0.80	1.50	0.30	
			100	±1.00	±1.00	0.60	0.60	
F1-ClipTip Fixed Volume Single Channel Pipettes								
4651280N	F1-ClipTip Fixed 10 µL	–	10 µL	±0.090	±0.90	0.08	0.80	ClipTip 12.5 Ext
4651200N	F1-ClipTip Fixed 20 µL	–	20 µL	±0.14	±0.70	0.10	0.50	ClipTip 20
4651210N	F1-ClipTip Fixed 25 µL	–	25 µL	±0.15	±0.60	0.125	0.50	ClipTip 50
4651220N	F1-ClipTip Fixed 50 µL	–	50 µL	±0.30	±0.60	0.20	0.40	ClipTip 50
4651230N	F1-ClipTip Fixed 100 µL	–	100 µL	±0.40	±0.40	0.30	0.30	ClipTip 200
4651240N	F1-ClipTip Fixed 200 µL	–	200 µL	±0.80	±0.40	0.60	0.30	ClipTip 200
4651250N	F1-ClipTip Fixed 250 µL	–	250 µL	±1.0	±0.40	0.75	0.30	ClipTip 300, ClipTip 300 Ext**
4651260N	F1-ClipTip Fixed 500 µL	–	500 µL	±1.5	±0.30	1.50	0.30	ClipTip 1000
4651270N	F1-ClipTip Fixed 1000 µL	–	1000 µL	±3.0	±0.30	3.00	0.30	ClipTip 1000
F1-ClipTip Multichannel Pipettes								
4661210N	F1-ClipTip 8-ch 1-10 µL	0.02 µL	10	±0.240	±2.40	±0.16	±1.60	ClipTip 12.5 Ext
			5	±0.200	±4.00	±0.15	±3.00	
			1	±0.120	±12.00	±0.08	±8.00	
4661120N	F1-ClipTip 8-ch 5-50 µL	0.1 µL	50	±0.75	±1.50	±0.35	±0.70	ClipTip 50
			25	±0.625	±2.50	±0.30	±1.20	
			5	±0.25	±5.00	±0.10	±2.00	
4661130N	F1-ClipTip 8-ch 10-100 µL	0.2 µL	100	±1.30	±1.30	±0.50	±0.50	ClipTip 200
			50	±1.25	±2.50	±0.60	±1.20	
			10	±0.50	±5.00	±0.20	±2,00	
4661140N	F1-ClipTip 8-ch 30-300 µL	1 µL	300	±3.00	±1.00	±0.90	±0.30	ClipTip 300, ClipTip 300 Ext**
			150	±2.25	±1.50	±0.75	±0.50	
			30	±1.50	±5.00	±0.60	±2.00	
4661220N	F1-ClipTip 12-ch 1-10 µL	0.02 µL	10	±0.240	±2.40	±0.16	±1.60	ClipTip 12.5 Ext
			5	±0.200	±4.00	±0.15	±3.00	
			1	±0.120	±12.00	±0.08	±8.00	
4661160N	F1-ClipTip 12-ch 5-50 µL	0.1 µL	50	±0.75	±1.50	±0.35	±0.70	ClipTip 50
			25	±0.625	±2.50	±0.30	±1.20	
			5	±0.25	±5.00	±0.10	±2.00	
4661170N	F1-ClipTip 12-ch 10-100 µL	0.2 µL	100	±1.30	±1.30	±0.50	±0.50	ClipTip 200
			50	±1.25	±2.50	±0.60	±1.20	
			10	±0.50	±5.00	±0.20	±2.00	
4661180N	F1-ClipTip 12-ch 30-300 µL	1 µL	300	±3.00	±1.00	±0.90	±0.30	ClipTip 300, ClipTip 300 Ext**
			150	±2.25	±1.50	±0.75	±0.50	
			30	±1.50	±5.00	±0.60	±2.00	

*Standard Deviation

**Performance specification with ClipTip 300 Ext tips differ from the specifications of the standard tips. CT 300 Ext tip with compatible pipettes will fulfill ISO8655 specification.

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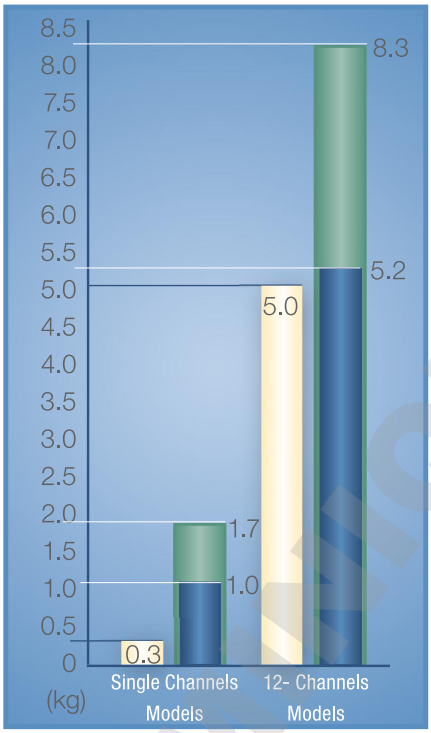
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F1-ClipTip Good Laboratory Pipetting Kits

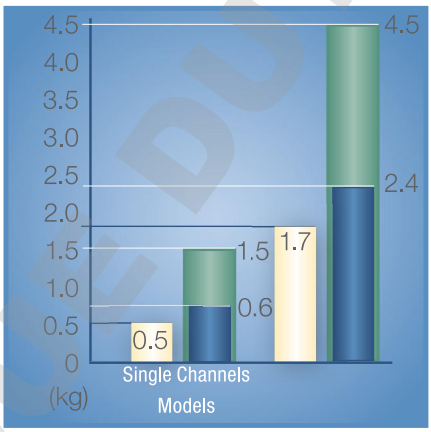
Description	Kit Includes	Cat. No.
F1-ClipTip GLP Kit 1	F1-ClipTip 1-10 µL single channel F1-ClipTip 10-100 µL single channel F1-ClipTip 100-1000 µL single channel F-Series Stand 3 Racks of ClipTip tips (12.5 Ext, 200, 1000 µL) 3 Reservoirs	4701140N
F1-ClipTip GLP Kit 2	F1-ClipTip 2-20 µL single channel F1-ClipTip 20-200 µL single channel F1-ClipTip 100-1000 µL single channel F1-ClipTip 30-300 µL 8-channel F-Series Stand 4 Racks of ClipTip tips (20, 200, 300, 1000 µL) 4 Reservoirs	4701150N



Attachment Forces
F1-ClipTip Pipettes vs. Other Pipettes



Ejection Forces
F1-ClipTip Pipettes vs. Other Pipettes



F1-ClipTip pipettes
Manufacturer B pipettes
Manufacturer C pipettes

* Includes 20-200 µL and 30-300 µL models. Forces gathered followed the same protocol. Manufacturer recommended tips were used with each pipette.



F1-ClipTip 8-ch 1-10µl Single Channel Pipette

Register your pipette for a FREE extended warranty at **thermofisher.com/pipettewarranty**

Find out more at **thermofisher.com/cliptip**

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