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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC Handels GmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Thermo Scientific F1-ClipTip Pipette

The Thermo Scientific™ F1-ClipTip™ pipette features 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.

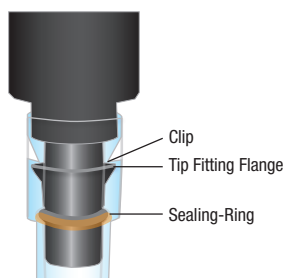
Unstoppable Productivity, Outstanding Ease-of-use.

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 until, and only until, it is released with a light touch. Combined with the light design and low plunger forces, the F1-ClipTip pipette dramatically reduces 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.



Silent, Effortless Volume Adjustment.

Enjoy the new 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.

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.

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 (polyvinylidenfluoride); Autoclavable		
Tip Fitting	polyphenylsulfone (PPSU); O-ring material FVM (fluorosilicone rubber); Autoclavable		
Weight (g)	Single Channel: 65-69	8-Channel: 153-169	12-Channel: 190-214

Thermo Scientific F1-ClipTip Pipettes

Item 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								
4641170N	 F1-ClipTip 1-10 μL	0.02 μL	10	±0.100	±1.00	0.05	0.50	ClipTip 20
			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
			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								
4651190N	F1-ClipTip Fixed 10 μL	–	10 μL	±0.090	±0.90	0.08	0.80	ClipTip 20
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
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								
4661110N	 F1-ClipTip 8-ch 1-10 μL	0.02 μL	10	±0.240	±2.40	±0.16	±1.60	ClipTip 20
			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
			150	±2.25	±1.50	±0.75	±0.50	
			30	±1.50	±5.00	±0.60	±2.00	
4661150N	 F1-ClipTip 12-ch 1-10 μL	0.02 μL	10	±0.240	±2.40	±0.16	±1.60	ClipTip 20
			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
			150	±2.25	±1.50	±0.75	±0.50	
			30	±1.50	±5.00	±0.60	±2.00	

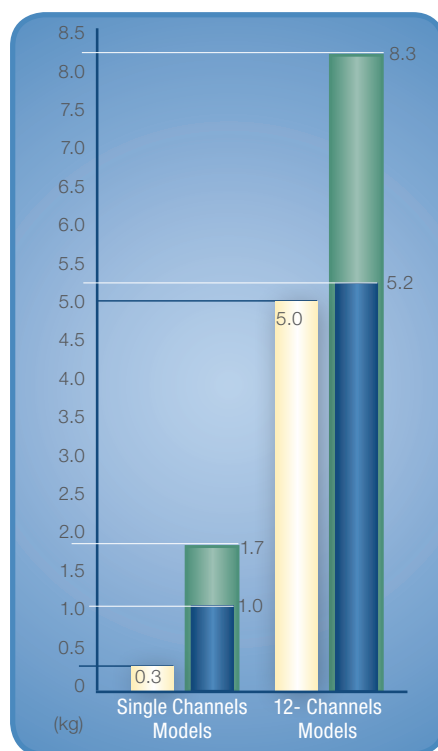
*Standard Deviation

F1-ClipTip Good Laboratory Pipetting Kits

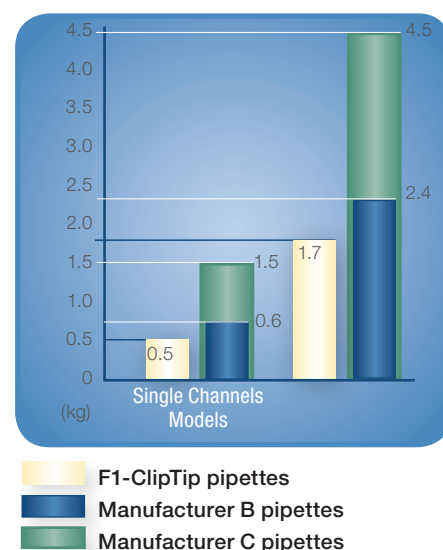
Item No.	Description	Kit Includes
4701140N	F1-ClipTip GLP Kit 1	F1-ClipTip 1-10 µL single channel
		F1-ClipTip 10-100 µL single channel
		F1-ClipTip 100-1000 µL single channel
		F-Series Stand
		3 Racks of ClipTip tips (20, 200, 1000 µL)
		3 Reservoirs
4701150N	F1-ClipTip GLP Kit 2	F1-ClipTip 2-20 µL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



Attachment Forces
F1-ClipTip Pipettes vs. Other Pipettes



Ejection Forces
F1-ClipTip Pipettes vs. Other Pipettes



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

Remember to Register Your Pipette
for a **Free** Extended Warranty!
www.thermoscientific.com/pipettewarranty

Learn more at thermofisher.com/cliptip

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Australia +61 39757 4300
Austria +43 1 801 40 0
Belgium +32 53 73 42 41
China +86 21 6865 4588 or
+86 10 8419 3588
France +33 2 2803 2180
Germany national Toll-Free 0800 1 536 376
Germany International +49 6184 90 6000

India Toll-Free 1800 22 8374
India +91 22 6716 2200
Italy +39 02 95059 554
Japan +81 45 453 9220
Netherlands +31 76 579 55 55
New Zealand +64 9 980 6700
Nordic/Baltic/CIS Countries
+358 9 329 10200

Russia +7 812 703 42 15
Spain/Portugal +34 93 223 09 18
Switzerland +41 44 454 12 22
UK/Ireland +44 870 609 9203
USA/Canada +1 866 984 3766
Other Asian countries +852 2885 4613
Countries Not Listed +49 6184 90 6000

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