

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.



Breakthrough ClipTip
Technology

Slim pipette shaft to reach
the bottom of deep vessels.

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 tip 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.

Patented Super Blow-Out.

With a 150% increased air boost through each tip fitting, efficiently deliver micro-sample volume while preventing capillary action.*

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.

Volume Lock Adjustment.

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.

Industry-leading lifetime warranty.

With convenient online registration.**








*Available in 50 ul models and lower volumes.

**Validity may vary by country

Thermo Scientific F1-ClipTip Pipette

Handle Material	ABS+PC (acrylonitrilebutadienestyrene/polycarbonate); Antimicrobial silver (Ag ions) additive (FDA approved) for additional cross-contamination prevention		
Piston Material	PEI (polyetherimide) and Stainless Steel (low volumes)		
Tip Cone	PVDF (polyvinylidenefluoride); Autoclavable		
Tip Fitting	Stainless Steel; O-ring material FVM (fluorosilicone rubber); Autoclavable		
Weight (g)	Single Channel: 68-69	8-Channel: 169-177	12-Channel: 202-228









F1-ClipTip Variable Volume Single Channel

Item No.	Description	Color Key	Range	Increment	Volume	Inaccuracy μl	Inaccuracy %	Imprecision s.d.* μl	Imprecision cv%	Compatible ClipTip
4641170	F1-ClipTip 1-10 μl		1-10 μl	0.02 μl	10	$\pm 0,100$	$\pm 1,00$	0,050	0,50	ClipTip 20
					5	$\pm 0,075$	$\pm 1,50$	0,040	0,80	
					1	$\pm 0,025$	$\pm 2,50$	0,020	2,00	
4641180	F1-ClipTip 2-20 μl		2-20 μl	0.02 μl	20	$\pm 0,20$	$\pm 1,00$	0,08	0,40	ClipTip 20
					10	$\pm 0,15$	$\pm 1,50$	0,06	0,60	
					2	$\pm 0,06$	$\pm 3,00$	0,05	2,50	
4641190	F1-ClipTip 5-50 μl		5-50 μl	0.1 μl	50	$\pm 0,30$	$\pm 0,60$	0,15	0,30	ClipTip 50
					25	$\pm 0,25$	$\pm 1,00$	0,13	0,50	
					5	$\pm 0,15$	$\pm 3,00$	0,13	2,50	
4641200	F1-ClipTip 10-100 μl		10-100 μl	0.2 μl	100	$\pm 0,80$	$\pm 0,80$	0,20	0,20	ClipTip 200
					50	$\pm 0,60$	$\pm 1,20$	0,20	0,40	
					10	$\pm 0,30$	$\pm 3,00$	0,10	1,00	
4641210	F1-ClipTip 20-200 μl		20-200 μl	0.2 μl	200	$\pm 1,20$	$\pm 0,60$	0,40	0,20	ClipTip 200
					100	$\pm 1,00$	$\pm 1,00$	0,40	0,40	
					20	$\pm 0,36$	$\pm 1,80$	0,14	0,70	
4641220	F1-ClipTip 30-300 μl		30-300 μl	1 μl	300	$\pm 1,80$	$\pm 0,60$	0,60	0,20	ClipTip 300
					150	$\pm 1,50$	$\pm 1,00$	0,60	0,40	
					30	$\pm 0,45$	$\pm 1,50$	0,18	0,60	
4641230	F1-ClipTip 100-1000 μl		100-1000 μl	1 μl	1000	$\pm 6,00$	$\pm 0,60$	2,00	0,20	ClipTip 1000
					500	$\pm 4,00$	$\pm 0,80$	1,50	0,30	
					100	$\pm 1,00$	$\pm 1,00$	0,60	0,60	

F1-ClipTip Fixed Volume Single Channel

Item No.	Description	Volume	Inaccuracy μl	Inaccuracy %	Imprecision s.d.* μl	Imprecision cv%	Compatible ClipTip
4651170	F1-ClipTip 1 μl fix vol	1 μl	$\pm 0,040$	$\pm 4,00$	0,040	4,00	ClipTip 20
4651180	F1-ClipTip 5 μl fix vol	5 μl	$\pm 0,070$	$\pm 1,40$	0,070	1,40	ClipTip 20
4651190	F1-ClipTip 10 μl fix vol	10 μl	$\pm 0,090$	$\pm 0,90$	0,080	0,80	ClipTip 20
4651200	F1-ClipTip 20 μl fix vol	20 μl	$\pm 0,14$	$\pm 0,70$	0,10	0,50	ClipTip 20
4651210	F1-ClipTip 25 μl fix vol	25 μl	$\pm 0,15$	$\pm 0,60$	0,12	0,50	ClipTip 50
4651220	F1-ClipTip 50 μl fix vol	50 μl	$\pm 0,30$	$\pm 0,60$	0,20	0,40	ClipTip 50
4651230	F1-ClipTip 100 μl fix vol	100 μl	$\pm 0,40$	$\pm 0,40$	0,30	0,30	ClipTip 200
4651240	F1-ClipTip 200 μl fix vol	200 μl	$\pm 0,80$	$\pm 0,40$	0,60	0,30	ClipTip 200
4651250	F1-ClipTip 250 μl fix vol	250 μl	$\pm 1,0$	$\pm 0,40$	0,75	0,30	ClipTip 300
4651260	F1-ClipTip 500 μl fix vol	500 μl	$\pm 1,5$	$\pm 0,30$	1,50	0,30	ClipTip 1000
4651270	F1-ClipTip 1000 μl fix vol	1000 μl	$\pm 3,0$	$\pm 0,30$	3,00	0,30	ClipTip 1000

F1-ClipTip Variable Volume Multichannel

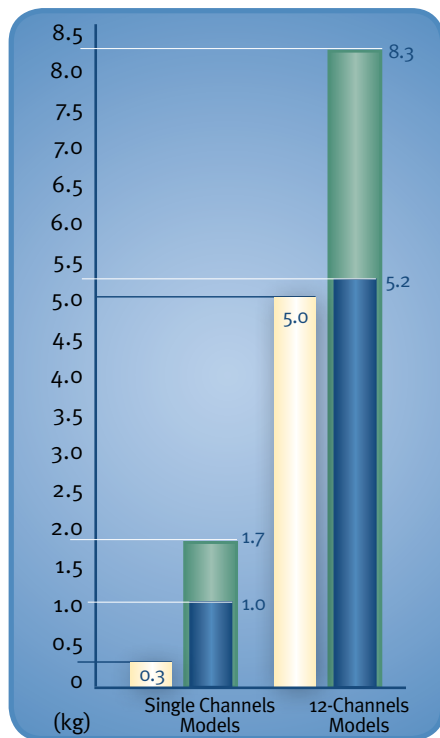
Item No.	Description	Color Key	Range	Increment	Volume	Inaccuracy μl	Inaccuracy %	Imprecision s.d.* μl	Imprecision cv%	Compatible ClipTip
4661110	F1-ClipTip 8-ch 1-10 μl		1.0-10 μl	0.02 μl	10	$\pm 0,240$	$\pm 2,40$	$\pm 0,160$	$\pm 1,60$	ClipTip 20
					5	$\pm 0,200$	$\pm 4,00$	$\pm 0,150$	$\pm 3,00$	
					1	$\pm 0,120$	$\pm 12,00$	$\pm 0,080$	$\pm 8,00$	
4661120	F1-ClipTip 8-ch 5-50 μl		5-50 μl	0.1 μl	50	$\pm 0,75$	$\pm 1,50$	$\pm 0,35$	$\pm 0,70$	ClipTip 50
					25	$\pm 0,625$	$\pm 2,50$	$\pm 0,30$	$\pm 1,20$	
					5	$\pm 0,25$	$\pm 5,00$	$\pm 0,10$	$\pm 2,00$	
4661130	F1-ClipTip 8-ch 10-100 μl		10-100 μl	0.2 μl	100	$\pm 1,30$	$\pm 1,30$	$\pm 0,50$	$\pm 0,50$	ClipTip 200
					50	$\pm 1,25$	$\pm 2,50$	$\pm 0,60$	$\pm 1,20$	
					10	$\pm 0,50$	$\pm 5,00$	$\pm 0,20$	$\pm 2,00$	
4661140	F1-ClipTip 8-ch 30-300 μl		30-300 μl	1 μl	300	$\pm 3,00$	$\pm 1,00$	$\pm 0,90$	$\pm 0,30$	ClipTip 300
					150	$\pm 2,25$	$\pm 1,50$	$\pm 0,75$	$\pm 0,50$	
					30	$\pm 1,50$	$\pm 5,00$	$\pm 0,60$	$\pm 2,00$	
4661150	F1-ClipTip 12-ch 1-10 μl		1.0-10 μl	0.02 μl	10	$\pm 0,240$	$\pm 2,40$	$\pm 0,160$	$\pm 1,60$	ClipTip 20
					5	$\pm 0,200$	$\pm 4,00$	$\pm 0,150$	$\pm 3,00$	
					1	$\pm 0,120$	$\pm 12,00$	$\pm 0,080$	$\pm 8,00$	
4661160	F1-ClipTip 12-ch 5-50 μl		5-50 μl	0.1 μl	50	$\pm 0,75$	$\pm 1,50$	$\pm 0,35$	$\pm 0,70$	ClipTip 50
					25	$\pm 0,625$	$\pm 2,50$	$\pm 0,30$	$\pm 1,20$	
					5	$\pm 0,25$	$\pm 5,00$	$\pm 0,10$	$\pm 2,00$	
4661170	F1-ClipTip 12-ch 10-100 μl		10-100 μl	0.2 μl	100	$\pm 1,30$	$\pm 1,30$	$\pm 0,50$	$\pm 0,50$	ClipTip 200
					50	$\pm 1,25$	$\pm 2,50$	$\pm 0,60$	$\pm 1,20$	
					10	$\pm 0,50$	$\pm 5,00$	$\pm 0,20$	$\pm 2,00$	
4661180	F1-ClipTip 12-ch 30-300 μl		30-300 μl	1 μl	300	$\pm 3,00$	$\pm 1,00$	$\pm 0,90$	$\pm 0,30$	ClipTip 300
					150	$\pm 2,25$	$\pm 1,50$	$\pm 0,75$	$\pm 0,50$	
					30	$\pm 1,50$	$\pm 5,00$	$\pm 0,60$	$\pm 2,00$	

F1-ClipTip Good Laboratory Pipetting Kits Kits

Item No.	Description	Kit Includes
4701140	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, ClipTip 20 rack, ClipTip 200 rack, ClipTip 1000 rack, 25 ml reservoir, 25 ml divided reservoir, 100 ml divided reservoir
4701150	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, ClipTip 20 rack, ClipTip 200 rack, ClipTip 300 rack, ClipTip 1000 rack, 25 ml reservoir, 25 ml divided reservoir, 100 ml divided reservoir

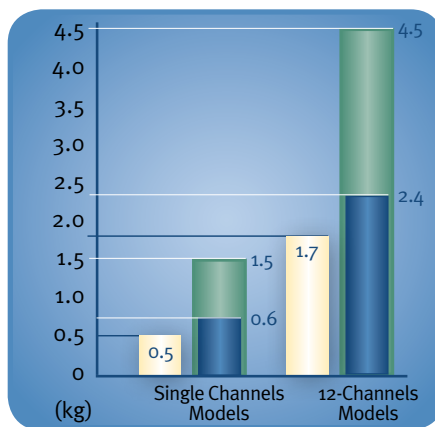
Attachment Forces

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.

thermoscientific.com/clipitp

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