

Thermo Scientific E1-ClipTip Electronic Pipettes

The Thermo Scientific™ E1-ClipTip™ pipette combines interlocking technology which ensures secure tip attachment with the efficiency of electronic pipetting action. Increase productivity with an intuitive personalized user interface that allows for simple or complex use depending on the application.



Adjustable tip spacing saves time in sample transfers between different labware formats.

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 cycles, as pipette tips will only release when ejected.

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 E1-ClipTip until, and only until, it is released by electronic tip ejection.

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.

Ideal solution for complex protocols.

Designed for optimum comfort and ease of use, the electronic tip ejection and index finger pipetting action let your thumb relax during pipetting and reduce the risk of Repetitive Strain Injury (RSI).

Adjustable tip spacing.

Perform sample transfers between virtually any tube, rack, microplate or horizontal gel box. Instantly save time and increase productivity simply by sliding the scale to expand and contract tips to your desired labware setting.

Two operating options ensure optimal function for every application.

Choose a step based Matrix or Presets with settings for your most common applications

Unified Operation.

Personalized user interface and password protection ensure consistent operation among multiple users

Extended 2-year warranty.

With convenient online registration.**

* E1-ClipTip 12.5 and all 384 E1-ClipTip pipettes utilize snap and lip tip fitting technology.

** E1-ClipTip electronic pipettes are warranted to be free from defects in material and workmanship for a period of two years from date of purchase. Two-year warranty applies for pipettes that have been registered, one-year warranty for non-registered. To register, visit www.thermoscientific.com/pipettewarranty

Thermo Scientific ClipTip Electronic Pipettes

E1-ClipTip Single Channel Pipettes

Item No	Description	Color Key	Channels	Volume Range	Increment (µl)	Volume (µl)	Inaccuracy (µl)	%	Imprecision s.d.* (µl)	cV%	Compatible ClipTip
665001	E1-ClipTip 0.5-12.5 µl		1-ch	0.5-12.5 µl	0.01	12.5	0.125	1.00	0.050	0.40	ClipTip 12.5
						6.25	0.063	1.00	0.050	0.80	
						1.25	0.050	4.00	0.050	4.00	
665002	E1-ClipTip 2-125 µl		1-ch	2-125 µl	0.1	125.0	0.75	0.60	0.25	0.20	ClipTip 200
						62.5	0.375	0.60	0.125	0.20	
						12.5	0.30	2.40	0.10	0.80	
665003	E1-ClipTip 10-300 µl		1-ch	10-300 µl	0.1	300.0	1.8	0.60	0.45	0.15	ClipTip 300
						150.0	0.9	0.60	0.225	0.15	
						30.0	0.5	1.67	0.15	0.50	
665004	E1-ClipTip 50-1250 µl		1-ch	50-1250 µl	1	1250.0	6.0	0.48	1.625	0.13	ClipTip 1250
						625.0	3.125	0.50	0.813	0.13	
						125.0	3.0	2.40	0.6	0.48	

E1-ClipTip Multichannel Pipettes

Item No	Description	Color Key	Channels	Volume Range	Increment (µl)	Volume (µl)	Inaccuracy (µl)	%	Imprecision s.d.* (µl)	cV%	Compatible ClipTip
665010	E1-ClipTip 8-ch 0.5-12.5 µl		8-ch	0.5-12.5 µl	0.01	12.5	0.313	2.50	0.200	1.60	ClipTip 12.5
						6.25	0.156	2.50	0.150	2.40	
						1.25	0.150	12.00	0.150	12.00	
665011	E1-ClipTip 8-ch 2-125 µl		8-ch	2-125 µl	0.1	125.00	2.50	2.00	0.75	0.60	ClipTip 200
						62.50	1.25	2.00	0.80	1.28	
						12.50	1.00	8.00	0.50	4.00	
665012	E1-ClipTip 8-ch 10-300 µl		8-ch	10-300 µl	0.1	300.00	6.0	2.00	1.8	0.60	ClipTip 300
						150.00	3.0	2.00	1.2	0.80	
						30.00	1.5	5.00	0.6	2.00	
665013	E1-ClipTip 8-ch 50-1250 µl		8-ch	50-1250 µl	1	1250.00	18.0	1.44	7.50	0.60	ClipTip 1250
						625.00	9.375	1.50	3.75	0.60	
						125.00	5.0	4.00	1.88	1.50	
665020	E1-ClipTip 12-ch 0.5-12.5 µl		12-ch	0.5-12.5 µl	0.01	12.50	0.313	2.50	0.200	1.60	ClipTip 12.5
						6.25	0.156	2.50	0.150	2.40	
						1.25	0.150	12.00	0.150	12.00	
665021	E1-ClipTip 12-ch 2-125 µl		12-ch	2-125 µl	0.1	125.00	2.50	2.00	0.75	0.60	ClipTip 200
						62.50	1.25	2.00	0.80	1.28	
						12.50	1.00	8.00	0.50	4.00	
665022	E1-ClipTip 12-ch 10-300 µl		12-ch	10-300 µl	0.1	300.00	6.0	2.00	1.80	0.60	ClipTip 300
						150.00	3.0	2.00	1.20	0.80	
						30.00	1.5	5.00	0.60	2.00	
665023	E1-ClipTip 12-ch 30-850 µl		12-ch	30-850 µl	1	850.00	12.75	1.50	5.10	0.60	ClipTip 1000
						425.00	6.375	1.50	2.55	0.60	
						85.00	4.0	4.71	1.70	2.00	
665030	E1-ClipTip 16-ch 0.5-12.5 µl		16-ch	0.5-12.5 µl	0.01	12.50	0.313	2.50	0.20	1.60	ClipTip 384 12.5
						6.25	0.156	2.50	0.150	2.40	
						1.25	0.150	12.00	0.150	12.00	
665031	E1-ClipTip 16-ch 1-30 µl		16-ch	1-30 µl	0.01	30.00	0.60	2.00	0.27	0.90	ClipTip 384 30
						15.00	0.30	2.00	0.30	2.00	
						3.00	0.30	10.00	0.21	7.00	
665032	E1-ClipTip 16-ch 2-125 µl		16-ch	2-125 µl	0.1	125.00	2.50	2.00	0.75	0.60	ClipTip 384 125
						62.50	1.25	2.00	0.80	1.28	
						12.50	1.00	8.00	0.50	4.00	

E1-ClipTip Adjustable Tip Spacing Equalizer Multichannel Pipettes

Catalog Number	Description	Color Key	Channels/ Tip Spacing Model	Volume Range	Increment (µl)	Tip Spacing Range Min - Max (mm)	Transfer Liquids Between To/From From/To		Volume (µl)	Inaccuracy (µl) %		Imprecision s.d.* (µl) cV%		Compatible ClipTip
665035	E1-ClipTip Equalizer 6-ch 50-1250 µl		6-ch/96	50-1250 µl	1	9.0-19.8	96-well microplates	Test tube racks	1250.0	18.00	1.44	7.50	0.60	ClipTip 1250
							Deepwell blocks	24-well microplates	625.0 125.0	9.375 5.00	1.50 4.00	3.75 1.88	0.60 1.50	
665036	E1-ClipTip Equalizer 8-ch 2-125 µl		8-ch/96	2-125 µl	0.1	9.0-14.2	96-well microplates	Micro-centrifuge tube racks	125.0	2.50	2.00	0.75	0.60	ClipTip 200
							Deepwell blocks	48-well microplates	62.5 12.5	1.25 1.00	2.00 8.00	0.80 0.50	1.28 4.00	
665037	E1-ClipTip Equalizer 8-ch 10-300 µl		8-ch/96	10-300 µl	0.1	9.0-14.2	96-well microplates	Micro-centrifuge tube racks	300.0	6.00	2.00	1.80	0.60	ClipTip 300
							Deepwell blocks	48-well microplates	150.0 30.0	3.00 1.50	2.00 5.00	1.20 0.60	0.80 2.00	
665039	E1-ClipTip Equalizer 8-ch 50-1250 µl		8-ch/96	50-1250 µl	1	9.0-14.2	96-well microplates	Micro-centrifuge tube racks	1250.0	18.00	1.44	7.50	0.60	ClipTip 1250
							Deepwell blocks	48-well microplates	625.0 125.0	9.375 5.00	1.50 4.00	3.75 1.88	0.60 1.50	
665040	E1-ClipTip Equalizer 384 8-ch 0.5-12.5 µl		8-ch/384	0.5-12.5 µl	0.01	4.5-14.2	384 Microplates	96-and 48-well microplates	12.5	0.313	2.50	0.200	1.60	ClipTip 384 12.5
							384 PCR Plates	Deepwell blocks	6.25	0.156	2.50	0.150	2.40	
							Agarose Gels	Micro-centrifuge tube racks	1.25	0.150	12.00	0.150	12.00	
665041	E1-ClipTip Equalizer 384 8-ch 1-30 µl		8-ch/384	1-30 µl	0.01	4.5-14.2	384 Microplates	96-and 48-well microplates	30.0	0.60	2.00	0.27	0.90	ClipTip 384 30
							384 PCR Plates	Deepwell blocks	15.0	0.30	2.00	0.30	2.00	
							Agarose Gels	Micro-centrifuge tube racks	3.0	0.30	10.00	0.21	7.00	
665042	E1-ClipTip Equalizer 384 8-ch 2-125 µl		8-ch/384	2-125 µl	0.1	4.5-14.2	384 Microplates	96-and 48-well microplates	125.0	2.50	2.00	0.75	0.60	ClipTip 384 125
							384 PCR Plates	Deepwell blocks	62.5	1.25	2.00	0.80	1.28	
							Agarose Gels	Micro-centrifuge tube racks	12.5	1.00	8.00	0.50	4.00	
665043	E1-ClipTip Equalizer 384 12-ch 0.5-12.5 µl		12-ch/384	0.5-12.5 µl	0.01	4.5-9.0	384 Microplates	96-well microplates	12.5	0.313	2.50	0.200	1.60	ClipTip 384 12.5
							384 PCR Plates	Deepwell blocks	6.25	0.156	2.50	0.150	2.40	
							Agarose Gels	Deepwell blocks	1.25	0.150	12.00	0.150	12.00	
665044	E1-ClipTip Equalizer 384 12-ch 1-30 µl		12-ch/384	1-30 µl	0.01	4.5-9.0	384 Microplates	96-well microplates	30.0	0.60	2.00	0.27	0.90	ClipTip 384 30
							384 PCR Plates	Deepwell blocks	15.0	0.30	2.00	0.30	2.00	
							Agarose Gels	Deepwell blocks	3.0	0.30	10.00	0.21	7.00	
665045	E1-ClipTip Equalizer 384 12-ch 2-125 µl		12-ch/384	2-125 µl	0.1	4.5-9.0	384 Microplates	96-well microplates	125.0	2.50	2.00	0.75	0.60	ClipTip 384 125
							384 PCR Plates	Deepwell blocks	62.5	1.25	2.00	0.80	1.28	
							Agarose Gels	Deepwell blocks	12.5	1.00	8.00	0.50	4.00	

*s.d. = Standard deviation; cV = Coefficient of variation

Specifications

Battery	Type: Li-ion battery Capacity: 1280 mAh Charging time: Approx. 2 h
Power supply unit	Input voltage: 100-240 V ~50/60 Hz, 400 mA Output voltage: 5.0 V 800 mA max.
Display	Type: Color TFT-LCD Size: 2.2"
Weight with battery	Single channel pipettes 193 g max Multichannel pipettes 96-format 348 g max. Multichannel pipettes 384-format 324 g max.
Materials: Tip fitting	E1-ClipTip 125-1250 96-models: Stainless Steel; O-ring material FVM (fluorosilicone rubber); Autoclavable E1-ClipTip 12.5 and all 384 models: PVDF (polyvinylidenefluoride)
External surfaces of the upper parts	PA (polyamide) PMMA (polymethyl methacrylate) ABS (acrylonitrile butadiene styrene)

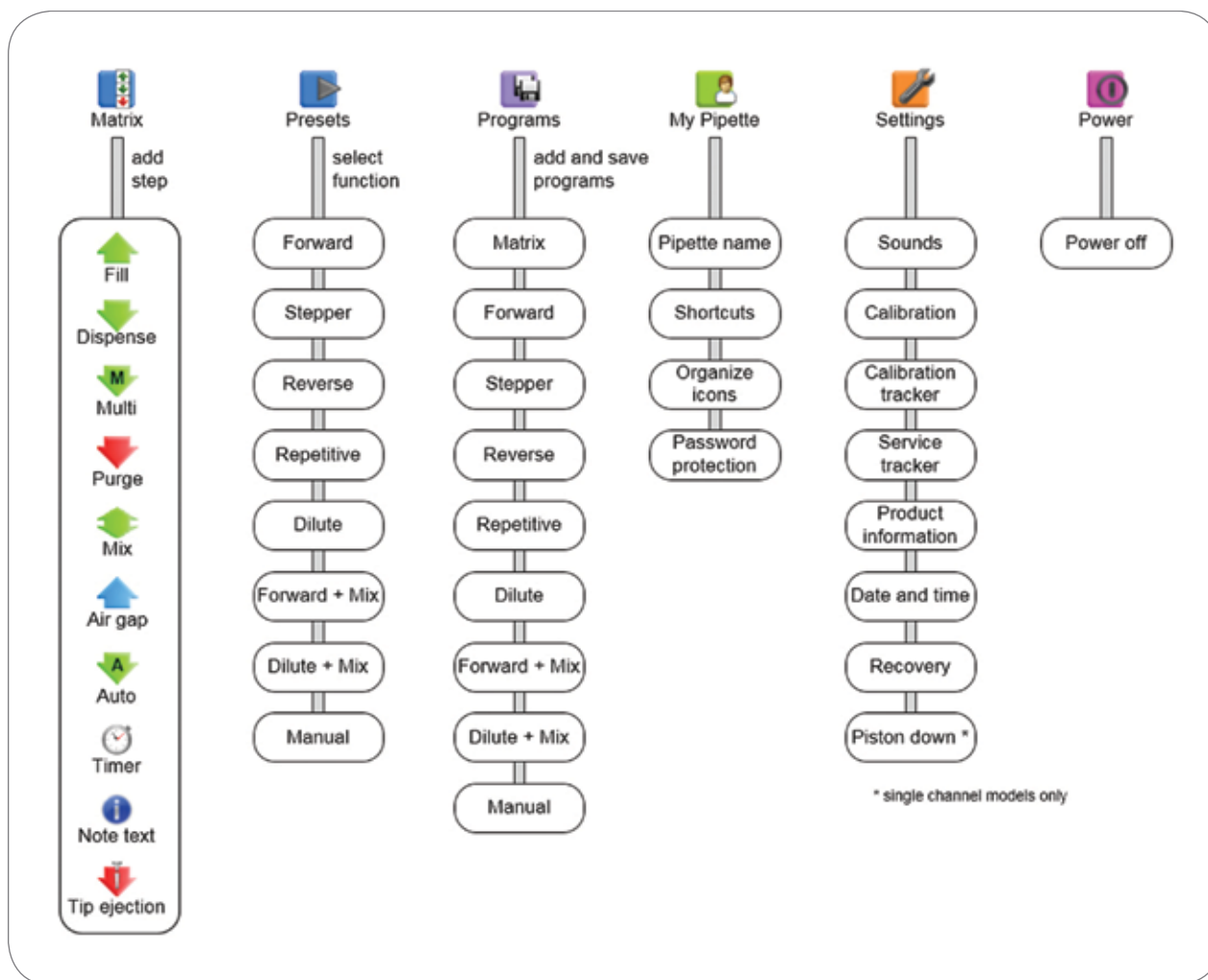


Equalizer Reference Chart



FROM/TO		6-ch	8-ch	8-ch	8-ch	8-ch	8-ch	8-ch	12-ch	12-ch	12-ch	TO/FROM	
Max. tip spacing position	mm	50-1250 µl	50-1250 µl	10-300 µl	2-125 µl	2-125 µl	1-30 µl	0.5-12.5 µl	2-125 µl	1-30 µl	0.5-12.5 µl	mm	Min. tip spacing position
Test tube racks	19.8	665035											
24-well microplates													96-well microplates
											9	Deepwell blocks	
96-well microplates													
48-well microplates	14.2	665039											
Deepwell blocks											665040		
Microcentrifuge tube racks											665041		384 Microplates
											665042	4.5	384 PCR Plates
											665043		Agarose Gels
Microcentrifuge tube racks	9										665044		
48-well microplates											665045		

E1-ClipTip Menu Map



Biozym
SCIENCE IS OUR BUSINESS

Biozym Scientific GmbH
Steinbrinksweg 27
D-31840 Hessisch Oldendorf
Tel.: +49 (0)5152-9020
Fax: +49 (0)5152-2070
support@biozym.com
www.biozym.com

thermoscientific.com/cliptip

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North America:

USA/Canada +1 800 522 7763

USA toll free 800 345 0206

Europe:

Austria +43 1 801 40 0

Belgium +32 2 482 30 30

Finland/Nordic +358 9 329 100

France +33 2 2803 2000

Germany national toll free 08001-536 376

Germany international +49 6184 90 6940

Italy +39 02 95059 1

Netherlands +31 76 571 4440

Russia/CIS +7 (812) 703 42 15

Spain/Portugal +34 93 223 09 18

Switzerland +41 44 454 12 12

UK/Ireland +44 870 609 9203

Asia:

Australia +613 9757 4474

China +86 21 6865 4588 or +86 10 8419 3588

India +91 22 5542 9494

Japan +81 45 453 9220

Other Asian countries +852 2885 4613

Countries not listed:

+49 6184 90 6940 or +33 2 2803 2000

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