

Eppendorf Xplorer®/Eppendorf Xplorer® plus

People who give 100% every day deserve the best tools and the best equipment. You work on demanding problems, and important decisions depend on the results of your work. With the Eppendorf Xplorer or Xplorer plus electronic pipette, your work achieves a new level of simplicity, precision and reproducibility, which means no more delays due to complicated programming or inflexible processes.

Xplorer/Xplorer plus benefits

- > Intuitive handling: Selection dial & multifunctional rocker
- > Optimal ergonomics: Designed according to Eppendorf PhysioCare Concept
- > High reproducibility: Spring loaded tip cone, individual adjustment, and a motorized piston
- > Ease of use: After tip ejection, the piston automatically returns to the zero position
- > Includes a history function that automatically saves the last parameters for faster handling
- > Full control: Edit and Help at the push of a button
- > Available as single-, 8-, 12-, 16-, and 24-channel as well as adjustable tip spacing multi-channel pipette (Move It®)

Expanded version

The Eppendorf Xplorer plus electronic pipette is the perfect choice for all users who simply need a little extra – more safety and speed every day! With its additional intelligent modes, adjustable fixed volumes and individual settings, tasks are performed much faster and easier. A password can be entered to guarantee the highest degree of protection for your programming and settings.

To ensure adherence to service intervals and thus guarantee the accuracy of your results, the Xplorer plus pipette offers an integrated service reminder. You can choose a reminder based on the period of time or on the frequency of use.



16- and 24-channel pipettes

The Eppendorf Xplorer plus is available as single-, 8-, 12-, 16- and 24-channel pipette.



VisioNize® pipette manager

Connect electronic pipettes and start pipetting right away. See more on page 28.



reddot design award
best of the best

Modern color display
All parameters without submenus

Individual speed setting
Adjust speed to improve precision and accuracy

Multifunctional rocker
With »up is up« and »down is down« functionality

Selection dial
All functions at a glance and easily selectable

Multilingual menu
User interface in 9 languages

Function control softkeys
Edit and Help at the push of a button

Innovative ejector
Electronically linked to the piston control



> Learn more about Eppendorf 16- & 24-channel pipettes at www.eppendorf.com/ready-set-pipette

Eppendorf Xplorer®

Eppendorf Xplorer®, single-channel, variable volume, incl. charger

Volume range	Color code	Volume	Systematic error*	Random error*	Order no.	
0.5–10 µL	■ dark gray (for epT.I.P.S.® 20 µL)	1 µL	±2.5 %	±0.025 µL	±1.8 %	4861 000 015
		5 µL	±1.5 %	±0.075 µL	±0.8 %	
		10 µL	±1.0 %	±0.1 µL	±0.4 %	
1–20 µL	■ light gray (for epT.I.P.S.® 20 µL)	2 µL	±5.0 %	±0.1 µL	±1.5 %	4861 000 017
		10 µL	±1.2 %	±0.12 µL	±0.6 %	
		20 µL	±1.0 %	±0.2 µL	±0.3 %	
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±1.0 %	4861 000 023
		50 µL	±1.0 %	±0.5 µL	±0.3 %	
		100 µL	±0.8 %	±0.8 µL	±0.2 %	
10–200 µL	■ yellow (for epT.I.P.S.® 200 µL)	20 µL	±2.5 %	±0.5 µL	±0.7 %	4861 000 027
		100 µL	±1.0 %	±1.0 µL	±0.3 %	
		200 µL	±0.6 %	±1.2 µL	±0.2 %	
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±0.7 %	4861 000 031
		150 µL	±1.0 %	±1.5 µL	±0.3 %	
		300 µL	±0.6 %	±1.8 µL	±0.2 %	
50–1,000 µL	■ blue (for epT.I.P.S.® 1,000 µL)	100 µL	±3.0 %	±3 µL	±0.6 %	4861 000 040
		500 µL	±1.0 %	±5 µL	±0.2 %	
		1,000 µL	±0.6 %	±6 µL	±0.2 %	
0.125–2.5 mL	■ red (for epT.I.P.S.® 2.5 mL)	250 µL	±4.8 %	±12 µL	±1.2 %	4861 000 044
		1,250 µL	±0.8 %	±10 µL	±0.2 %	
		2,500 µL	±0.6 %	±15 µL	±0.2 %	
0.25–5 mL	■ purple (for epT.I.P.S.® 5 mL)	500 µL	±3.0 %	±15 µL	±0.6 %	4861 000 058
		2,500 µL	±1.2 %	±30 µL	±0.3 %	
		5,000 µL	±0.6 %	±30 µL	±0.15 %	
0.5–10 mL	■ turquoise (for epT.I.P.S.® 10 mL)	1,000 µL	±3.0 %	±30 µL	±0.6 %	4861 000 066
		5,000 µL	±0.8 %	±40 µL	±0.2 %	
		10,000 µL	±0.6 %	±60 µL	±0.15 %	

Eppendorf Xplorer®, multi-channel, variable volume, incl. charger

Volume range	Color code	Volume	Systematic error*	Random error*	For 96-well plates			
					Order no.	Order no.		
					8-channel	12-channel		
Cone distance								
9 mm								
9 mm								
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL	4861 000 104	4861 000 112
		5 µL	±3.0 %	±0.15 µL	±1.5 %	±0.075 µL		
		10 µL	±2.0 %	±0.2 µL	±0.8 %	±0.08 µL		
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL	4861 000 120	4861 000 139
		50 µL	±1.0 %	±0.5 µL	±0.8 %	±0.4 µL		
		100 µL	±0.8 %	±0.8 µL	±0.25 %	±0.25 µL		
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL	4861 000 147	4861 000 155
		150 µL	±1.0 %	±1.5 µL	±0.5 %	±0.75 µL		
		300 µL	±0.6 %	±1.8 µL	±0.25 %	±0.75 µL		
50–1,200 µL	■ green (for epT.I.P.S.® 1,200 µL)	120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL	4861 000 163	4861 000 171
		600 µL	±2.7 %	±16.2 µL	±0.4 %	±2.4 µL		
		1,200 µL	±1.2 %	±14.4 µL	±0.3 %	±3.6 µL		

* The error data, according to EN ISO 8655, only apply if original Eppendorf tips are used. Technical specifications are subject to change. Errors and omissions excepted.

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Eppendorf Xplorer® plus

Eppendorf Xplorer® plus, single-channel, variable volume, incl. charger

Volume range	Color code	Volume	Systematic error*		Random error*		Order no.
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	1 µL	±2.5 %	±0.025 µL	±1.8 %	±0.018 µL	4861 000 708
		5 µL	±1.5 %	±0.075 µL	±0.8 %	±0.04 µL	
		10 µL	±1.0 %	±0.1 µL	±0.4 %	±0.04 µL	
1–20 µL	■ light gray (for epT.I.P.S.® 20 µL)	2 µL	±5.0 %	±0.1 µL	±1.5 %	±0.03 µL	4861 000 710
		10 µL	±1.2 %	±0.12 µL	±0.6 %	±0.06 µL	
		20 µL	±1.0 %	±0.2 µL	±0.3 %	±0.06 µL	
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±1.0 %	±0.1 µL	4861 000 716
		50 µL	±1.0 %	±0.5 µL	±0.3 %	±0.15 µL	
		100 µL	±0.8 %	±0.8 µL	±0.2 %	±0.2 µL	
10–200 µL	■ yellow (for epT.I.P.S.® 200 µL)	20 µL	±2.5 %	±0.5 µL	±0.7 %	±0.14 µL	4861 000 720
		100 µL	±1.0 %	±1.0 µL	±0.3 %	±0.3 µL	
		200 µL	±0.6 %	±1.2 µL	±0.2 %	±0.4 µL	
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±0.7 %	±0.21 µL	4861 000 724
		150 µL	±1.0 %	±1.5 µL	±0.3 %	±0.45 µL	
		300 µL	±0.6 %	±1.8 µL	±0.2 %	±0.6 µL	
50–1,000 µL	■ blue (for epT.I.P.S.® 1,000 µL)	100 µL	±3.0 %	±3 µL	±0.6 %	±0.6 µL	4861 000 732
		500 µL	±1.0 %	±5 µL	±0.2 %	±1 µL	
		1,000 µL	±0.6 %	±6 µL	±0.2 %	±2 µL	
0.125–2.5 mL	■ red (for epT.I.P.S.® 2.5 mL)	250 µL	±4.8 %	±12 µL	±1.2 %	±3.0 µL	4861 000 736
		1,250 µL	±0.8 %	±10 µL	±0.2 %	±2.5 µL	
		2,500 µL	±0.6 %	±15 µL	±0.2 %	±5.0 µL	
0.25–5 mL	■ purple (for epT.I.P.S.® 5 mL)	500 µL	±3.0 %	±15 µL	±0.6 %	±3 µL	4861 000 740
		2,500 µL	±1.2 %	±30 µL	±0.3 %	±6.25 µL	
		5,000 µL	±0.6 %	±30 µL	±0.15 %	±7.5 µL	
0.5–10 mL	■ turquoise (for epT.I.P.S.® 10 mL)	1,000 µL	±3.0 %	±30 µL	±0.6 %	±6 µL	4861 000 759
		5,000 µL	±0.8 %	±40 µL	±0.2 %	±10 µL	
		10,000 µL	±0.6 %	±60 µL	±0.15 %	±15 µL	

Eppendorf Xplorer® plus, 8/12-channel, variable volume, incl. charger

Volume range	Color code	Volume	Systematic error*		Random error*		Order no.	Order no.	
			8-channel	12-channel	8-channel	12-channel			
Cone distance									
								9 mm	9 mm
0.5–10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL	4861 000 767	4861 000 775	
		5 µL	±3.0 %	±0.15 µL	±1.5 %	±0.075 µL			
		10 µL	±2.0 %	±0.2 µL	±0.8 %	±0.08 µL			
5–100 µL	■ yellow (for epT.I.P.S.® 200 µL)	10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL	4861 000 783	4861 000 791	
		50 µL	±1.0 %	±0.5 µL	±0.8 %	±0.4 µL			
		100 µL	±0.8 %	±0.8 µL	±0.25 %	±0.25 µL			
15–300 µL	■ orange (for epT.I.P.S.® 300 µL)	30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL	4861 000 805	4861 000 813	
		150 µL	±1.0 %	±1.5 µL	±0.5 %	±0.75 µL			
		300 µL	±0.6 %	±1.8 µL	±0.25 %	±0.75 µL			
50–1,200 µL	■ green (for epT.I.P.S.® 1,200 µL)	120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL	4861 000 821	4861 000 830	
		600 µL	±2.7 %	±16.2 µL	±0.4 %	±2.4 µL			
		1,200 µL	±1.2 %	±14.4 µL	±0.3 %	±3.6 µL			

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Eppendorf Xplorer® plus, 16-/24-channel, variable volume, incl. charger for 384-well plates

Volume range	Channels	Color code	Volume	Systematic error*		Random error*		Order no.	Order no.
				16-channel	24-channel	16-channel	24-channel		
Cone distance									
								4.5 mm	4.5 mm
1–20 µL	16	■ light pink (for epT.I.P.S.® 384 20 µL)	2 µL	±8.0 %	±0.16 µL	±5.0 %	±0.1 µL	4861 000 778	–
			10 µL	±4.0 %	±0.4 µL	±2.0 %	±0.2 µL		
			20 µL	±2.0 %	±0.4 µL	±1.0 %	±0.2 µL		
5–100 µL	16	■ light yellow (for epT.I.P.S.® 384 100 µL)	10 µL	±3.0 %	±0.3 µL	±2.0 %	±0.2 µL	4861 000 792	–
			50 µL	±1.2 %	±0.6 µL	±1.0 %	±0.4 µL		
			100 µL	±1.0 %	±1.0 µL	±0.6 %	±0.6 µL		
1–20 µL	24	■ light pink (for epT.I.P.S.® 384 20 µL)	2 µL	±8.0 %	±0.16 µL	±5.0 %	±0.1 µL	–	4861 000 779
			10 µL	±4.0 %	±0.4 µL	±2.0 %	±0.2 µL		
			20 µL	±2.0 %	±0.4 µL	±1.0 %	±0.2 µL		
5–100 µL	24	■ light yellow (for epT.I.P.S.® 384 100 µL)	10 µL	±3.0 %	±0.3 µL	±2.0 %	±0.2 µL	–	4861 000 793
			50 µL	±1.2 %	±0.6 µL	±0.8 %	±0.4 µL		
			100 µL	±1.0 %	±1.0 µL	±0.6 %	±0.6 µL		

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