

Eppendorf Xplorer® plus – Technical Data

Single-channel pipettes

Eppendorf Xplorer® plus, single-channel, variable

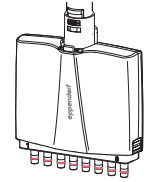
Volume range	Dispensing button color	Volume	Systematic error ¹⁾		Random error ¹⁾	
0.5 – 10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	0.5 µL	±6.0 %	±0.03 µL	±3.0 %	±0.015 µL
		1 µL	±2.5 %	±0.025 µL	±1.8 %	±0.018 µL
		5 µL	±1.5 %	±0.075 µL	±0.8 %	±0.04 µL
		10 µL	±1.0 %	±0.1 µL	±0.4 %	±0.04 µL
1 – 20 µL	■ light gray (for epT.I.P.S.® 20 µL)	2 µL	±5.0 %	±0.1 µL	±1.5 %	±0.03 µL
		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)	5 µL	±4.0 %	±0.2 µL	±2.0 %	±0.1 µL
		10 µL	±2.0 %	±0.2 µL	±1.0 %	±0.1 µL
		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		20 µL	±2.5 %	±0.5 µL	±0.7 %	±0.14 µL
		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)	15 µL	±5.0 %	±0.75 µL	±1.4 %	±0.21 µL
		30 µL	±2.5 %	±0.75 µL	±0.7 %	±0.21 µL
		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)	50 µL	±6.0 %	±3 µL	±1.0 %	±0.5 µL
		100 µL	±3.0 %	±3 µL	±0.6 %	±0.6 µL
		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
		1,250 µL	±0.8 %	±10 µL	±0.2 %	±2.5 µL
		2,500 µL	±0.6 %	±15 µL	±0.2 %	±5.0 µL
0.2 – 5 mL	■ violet (for epT.I.P.S.® 5 mL)	200 µL	±4.8 %	±12 µL	±1.2 %	±3 µL
		500 µL	±3.0 %	±15 µL	±0.6 %	±3 µL
		2,500 µL	±1.2 %	±30 µL	±0.25 %	±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)	500 µL	±6.0 %	±30 µL	±1.2 %	±6 µL
		1,000 µL	±3.0 %	±30 µL	±0.6 %	±6 µL
		5,000 µL	±0.8 %	±40 µL	±0.2 %	±10 µL
		10,000 µL	±0.6 %	±60 µL	±0.15 %	±15 µL

¹⁾ 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 – Technical Specifications

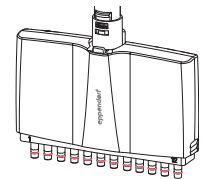


8-channel pipettes, for 96 well plates

Eppendorf Xplorer® plus, 8-channel, variable

Volume range	Dispensing button color	Volume	Systematic error ¹⁾		Random error ¹⁾	
0.5 – 10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	0.5 µL	±10.0 %	±0.05 µL	±6.0 %	±0.03 µL
		1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL
		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)	5 µL	±6.0 %	±0.3 µL	±4.0 %	±0.2 µL
		10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL
		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)	15 µL	±6.0 %	±0.9 µL	±2.0 %	±0.3 µL
		30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL
		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)	50 µL	±8.0 %	±4.0 µL	±1.2 %	±0.6 µL
		120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL
		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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12-channel pipettes, for 96 well plates

Eppendorf Xplorer® plus, 12-channel, variable

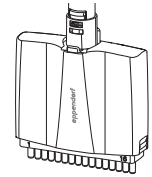
Volume range	Dispensing button color	Volume	Systematic error ¹⁾		Random error ¹⁾	
0.5 – 10 µL	■ medium gray (for epT.I.P.S.® 20 µL)	0.5 µL	±10.0 %	±0.05 µL	±6.0 %	±0.03 µL
		1 µL	±5.0 %	±0.05 µL	±3.0 %	±0.03 µL
		5 µL	±3.0 %	±0.15 µL	±1.5 %	±0.075 µL
		10 µL	±2.0 %	±0.2 µL	±0.8 %	±0.08 µL
5 – 100 µL	■ yellow (for epT.I.P.S.® 200 µL)	5 µL	±6.0 %	±0.3 µL	±4.0 %	±0.2 µL
		10 µL	±2.0 %	±0.2 µL	±2.0 %	±0.2 µL
		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)	15 µL	±6.0 %	±0.9 µL	±2.0 %	±0.3 µL
		30 µL	±2.5 %	±0.75 µL	±1.0 %	±0.3 µL
		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)	50 µL	±8.0 %	±4.0 µL	±1.2 %	±0.6 µL
		120 µL	±6.0 %	±7.2 µL	±0.9 %	±1.08 µL
		600 µL	±2.7 %	±16.2 µL	±0.4 %	±2.4 µL
		1,200 µL	±1.2 %	±14.2 µL	±0.3 %	±3.6 µL

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Eppendorf Xplorer® plus – Technical Specifications



16-channel pipettes, for 384-well plates

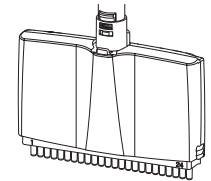
Eppendorf Xplorer® plus, 16-channel, variable

Volume range	Dispensing button color	Volume	Systematic error ¹⁾		Random error ¹⁾	
1 – 20 µL	□ pearl white (for epT.I.P.S.® 384, 20 µL)	2 µL	±10 %	±0.2 µL	±3.0 %	±0.06 µL
		10 µL	±2.4 %	±0.24 µL	±1.2 %	±0.12 µL
		20 µL	±0.4 %	±0.4 µL	±0.6 %	±0.12 µL
5 – 100 µL	■ light yellow (for epT.I.P.S.® 384, 100 µL)	10 µL	±3.0 %	±0.3 µL	±2.0 %	±0.2 µL
		50 µL	±1.2 %	±0.6 µL	±1.0 %	±0.5 µL
		100 µL	±1.0 %	±1.0 µL	±0.6 %	±0.6 µL

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24-channel pipettes, for 384-well plates

Eppendorf Xplorer® plus, 24-channel, variable



Volume range	Dispensing button color	Volume	Systematic error ¹⁾		Random error ¹⁾	
1 – 20 µL	□ pearl white (for epT.I.P.S.® 384, 20 µL)	2 µL	±10 %	±0.20 µL	±3.0 %	±0.06 µL
		10 µL	±2.4 %	±0.24 µL	±1.2 %	±0.12 µL
		20 µL	±0.4 %	±0.4 µL	±0.6 %	±0.12 µL
5 – 100 µL	■ light yellow (for epT.I.P.S.® 384, 100 µL)	10 µL	±3.0 %	±0.3 µL	±2.0 %	±0.2 µL
		50 µL	±1.2 %	±0.6 µL	±1.0 %	±0.5 µL
		100 µL	±1.0 %	±1.0 µL	±0.6 %	±0.6 µL

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