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Description	Volume	Systematic error		Random error	
		± %	± µL / mL	± %	± µL / mL
Eppendorf Reference® 2, single-channel variable*					
■ 0.1–2.5 µL, dark gray	0.1 µL	±48.0	±0.048	±12.0	±0.012
	0.25 µL	±12.0	±0.03	±6.0	±0.015
	1.25 µL	±2.5	±0.031	±1.5	±0.019
	2.5 µL	±1.4	±0.035	±0.7	±0.018
■ 0.5–10 µL, medium gray	0.5 µL	±8.0	±0.04	±5.0	±0.025
	1 µL	±2.5	±0.025	±1.8	±0.018
	5 µL	±1.5	±0.075	±0.8	±0.04
	10 µL	±1.0	±0.10	±0.4	±0.04
■ 2–20 µL, light gray	2 µL	±5.0	±0.10	±1.5	±0.03
	10 µL	±1.2	±0.12	±0.6	±0.06
	20 µL	±1.0	±0.20	±0.3	±0.06
■ 2–20 µL, yellow	2 µL	±5.0	±0.10	±1.5	±0.03
	10 µL	±1.2	±0.12	±0.6	±0.06
	20 µL	±1.0	±0.2	±0.3	±0.06
■ 10–100 µL, yellow	10 µL	±3.0	±0.3	±0.7	±0.07
	50 µL	±1.0	±0.5	±0.3	±0.15
	100 µL	±0.8	±0.8	±0.2	±0.2
	20 µL	±2.5	±0.5	±0.7	±0.14
■ 20–200 µL, yellow	100 µL	±1.0	±1.0	±0.3	±0.3
	200 µL	±0.6	±1.2	±0.2	±0.4
	30 µL	±2.5	±0.75	±0.7	±0.21
	150 µL	±1.0	±1.5	±0.3	±0.45
■ 30–300 µL, orange	300 µL	±0.6	±1.8	±0.2	±0.6
	100 µL	±3.0	±3.0	±0.6	±0.6
	500 µL	±1.0	±5.0	±0.2	±1.0
	1000 µL	±0.6	±6.0	±0.2	±2.0
■ 0.25–2.5 mL, red	0.25 mL	±4.8	±0.012	±1.2	±0.003
	1.25 mL	±0.8	±0.010	±0.2	±0.0025
	2.5 mL	±0.6	±0.015	±0.2	±0.005
■ 0.5–5 mL, purple	0.5 mL	±2.4	±0.012	±0.6	±0.003
	2.5 mL	±1.2	±0.030	±0.25	±0.006
	5.0 mL	±0.6	±0.030	±0.15	±0.0075
■ 1–10 mL, turquoise	1.0 mL	±3.0	±0.030	±0.6	±0.006
	5.0 mL	±0.8	±0.040	±0.2	±0.010
	10.0 mL	±0.6	±0.060	±0.15	±0.015

*All Eppendorf Reference 2 single-channel adjustable-volume pipettes come with an epT.I.P.S. Box (except 2.5 mL, 5 mL and 10 mL)



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