

HandyStep® S Volume Table with PD-Tip™ // Precision Dispenser Tips

Settings	1	1.5	2	2.5	3	3.5	4	4.5	5
Steps	49	32	24	19	15	13	11	10	9
PD-Tip™ size	Volume, µL								
0.1 mL	2	3	4	5	6	7	8	9	10
0.5 mL	10	15	20	25	30	35	40	45	50
1.0 mL	20	30	40	50	60	70	80	90	100
1.25 mL	25	37.5	50	62.5	75	87.5	100	112.5	125
2.5 mL	50	75	100	125	150	175	200	225	250
5.0 mL	100	150	200	250	300	350	400	450	500
10.0 mL	200	300	400	500	600	700	800	900	1000
12.5 mL	250	375	500	625	750	875	1000	1125	1250
25.0 mL	500	750	1000	1250	1500	1750	2000	2250	2500
50.0 mL	1000	1500	2000	2500	3000	3500	4000	4500	5000

HandyStep® S Accuracy and Precision with PD-Tip™ // Precision Dispenser Tips

PD-Tip™ size	Volume Range	Stroke setting ≡ % of nominal volume (A* ≤ ± %)			Stroke setting ≡ % of nominal volume (CV* ≤ %)		
		1 ≡ 2%	3 ≡ 6%	5 ≡ 10%	1 ≡ 2%	3 ≡ 6%	5 ≡ 10%
0.1 mL	2 µL-10 µL	4	2.4	1.6	6	3	2
0.5 mL	10 µL-50 µL	2.5	1.5	1	2.5	1.5	1
1.0 mL	20 µL-100 µL	2.5	1.5	1	2	1.2	0.8
1.25 mL	25 µL-125 µL	2.5	1.4	0.9	2	1.1	0.7
2.5 mL	50 µL-250 µL	1.8	1.1	0.7	1.5	0.9	0.6
5.0 mL	100 µL-500 µL	1.8	1.1	0.7	1.5	0.9	0.7
10.0 mL	200 µL-1000 µL	1.8	1.1	0.7	2	1.2	0.8
12.5 mL	250 µL-1250 µL	1.8	1.1	0.8	3.2	2	1.4
25.0 mL	500 µL-2500 µL	1.5	0.9	0.6	3.04	1.5	1
50.0 mL	1000 µL-5000 µL	1.5	0.8	0.5	5	1.8	1.2

A*=Accuracy, CV*=Coefficient of Variation

*Error limits refer to the nominal and partial volumes relative to the PD-Tip™ // obtained with instrument and distilled water at equilibrium with ambient temperature at 20° C and with smooth operation. The error limits defined in ISO 8655 are not exceeded.

The nominal volume is the maximum volume which is printed on the PD-Tip™ //