



OT-2 Performance Graphs

TIME TO FILL 96-WELL PLATE

PIPETTE	DISTRIBUTE, ONE TIP	TRANSFER, SAME TIP	TRANSFER, NEW TIP
P20 8-CHANNEL	00:22	1:35	4:19
P300 8-CHANNEL	00:26	1:38	4:24
P20 SINGLE	3:12	13:10	36:01
P300 SINGLE	4:01	13:39	41:31
P1000 SINGLE	5:54	15:21	44:50

SINGLE CHANNEL ACCURACY & PRECISION

PIPETTE	VOLUME	RANDOM ERROR		SYSTEMATIC ERROR	
		%D	μ l	%CV	μ l
P10	1	$\pm 15\%$	0.15 μ L	$\pm 5\%$	0.05 μ L
	10	$\pm 2\%$	0.2 μ L	$\pm 1\%$	0.1 μ L
	20	$\pm 1.5\%$	0.3 μ L	$\pm 0.8\%$	0.16 μ L
P300	20	$\pm 4\%$	0.8 μ L	$\pm 2.5\%$	0.5 μ L
	150	$\pm 1\%$	1.5 μ L	$\pm 0.4\%$	0.6 μ L
	300	$\pm 0.6\%$	1.8 μ L	$\pm 0.3\%$	0.9 μ L
P1000	100	$\pm 2\%$	2.0 μ L	$\pm 1\%$	1 μ L
	500	$\pm 1\%$	5.0 μ L	$\pm 0.2\%$	1 μ L
	1000	$\pm 0.7\%$	7.0 μ L	$\pm 0.15\%$	1.5 μ L

8-CHANNEL SPECIFICATIONS

PIPETTE	VOLUME	RANDOM ERROR		SYSTEMATIC ERROR	
		%D	μ l	%CV	μ l
P20	1	$\pm 20\%$	0.2 μ L	$\pm 10\%$	0.1 μ L
	10	$\pm 3\%$	0.3 μ L	$\pm 2\%$	0.2 μ L
	20	$\pm 2.2\%$	0.44 μ L	$\pm 1.5\%$	0.3 μ L
P300	20	$\pm 10\%$	2.0 μ L	$\pm 4\%$	0.8 μ L
	150	$\pm 2.5\%$	3.75 μ L	$\pm 0.8\%$	1.2 μ L
	300	$\pm 1.5\%$	4.5 μ L	$\pm 0.5\%$	1.5 μ L