

Accuracy and Precision

Dispensing cassette	Lifetime	Volume	Accuracy	Precision (%CV)
8 Channel Small Bore	1000x 96 well plates (filled with 100 µl)	2 µl	±6 % (typical)	≤ 4 %
		10 µl	±1 % (typical)	≤ 2.5%
		50 µl	±1 % (typical)	≤ 1%
8 Channel Large Bore	2000x 96 well plates (filled with 100 µl)	20 µl	±1.5 % (typical)	≤ 2.5%
		50 µl	±1 % (typical)	≤ 1.5%
		100 µl	±1 % (typical)	≤ 1%
16 Channel Small Bore	1000x 384 well plates (filled with 50 µl)	2 µl	±6 % (typical)	≤ 4 %
		10 µl	±1 % (typical)	≤ 2.5%
		50 µl	±1 % (typical)	≤ 1%

Dispensing Speeds WELLJET Dispenser

Dispensing option	Well plate	1.0 µl	10 µl	50 µl	100 µl
8 Channel Small Bore	96 well	3.3 s	3.9 s	7.1 s	10.9 s
	384 well	11.8 s	14.5 s	26.9 s	42.5 s
8 Channel Large Bore	96 well	NA	3.7 s	5.6 s	7.9 s
	384 well	NA	13.2 s	19.9 s	29.4 s
16 Channel Small Bore	384 well	5.9 s	7.3 s	13.5 s	21.3 s
	1536 well	21.9 s	27.1 s	NA	NA

Dispensing Speeds WELLJET Dispenser Stacker (full cycle time: get plate - fill plate - stack plate)

Dispensing option	Well plate	Volume	without lid	with lid
8 Channel Small Bore	96 well	10 µl	18 s	24 s
	384 well	10 µl	29 s	35 s
8 Channel Large Bore	96 well	100 µl	19 s	25 s
	384 well	100 µl	44 s	50 s
16 Channel Small Bore	384 well	10 µl	22 s	28 s
	1536 well	10 µl	43 s	49 s