

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 |