

Automated Dynamic Inlet Microfluidics System: 3D Printer Adaptation for Cost-Effective, Low Volume, On-Demand Multi-Analyte Droplet Generator

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SUPPLEMENTAL DATA

Supp. Table 1 Percentage of Coefficient of Variance for Figure 5 a-c

Section	Conical									Cylindrical								
	150 $\mu\text{L}/\text{min}$			100 $\mu\text{L}/\text{min}$			50 $\mu\text{L}/\text{min}$			150 $\mu\text{L}/\text{min}$			100 $\mu\text{L}/\text{min}$			50 $\mu\text{L}/\text{min}$		
FlowRate	1.0 μL	1.5 μL	2.0 μL	1.0 μL	1.5 μL	2.0 μL	1.0 μL	1.5 μL	2.0 μL	1.0 μL	1.5 μL	2.0 μL	1.0 μL	1.5 μL	2.0 μL	1.0 μL	1.5 μL	2.0 μL
Min	0.84	0.99	0.55	1.02	2.43	0.71	1.37	1.64	0.81	1.40	1.26	0.78	1.96	1.38	2.13	2.00	1.26	1.27
Median	0.91	1.40	0.77	1.23	2.54	1.24	1.98	2.09	0.82	1.95	1.46	0.90	2.02	1.89	2.32	2.08	1.76	1.60
Max	1.71	1.81	0.89	2.43	2.66	1.26	2.65	2.93	0.97	2.51	1.65	1.02	2.08	2.41	2.51	2.17	2.26	1.93

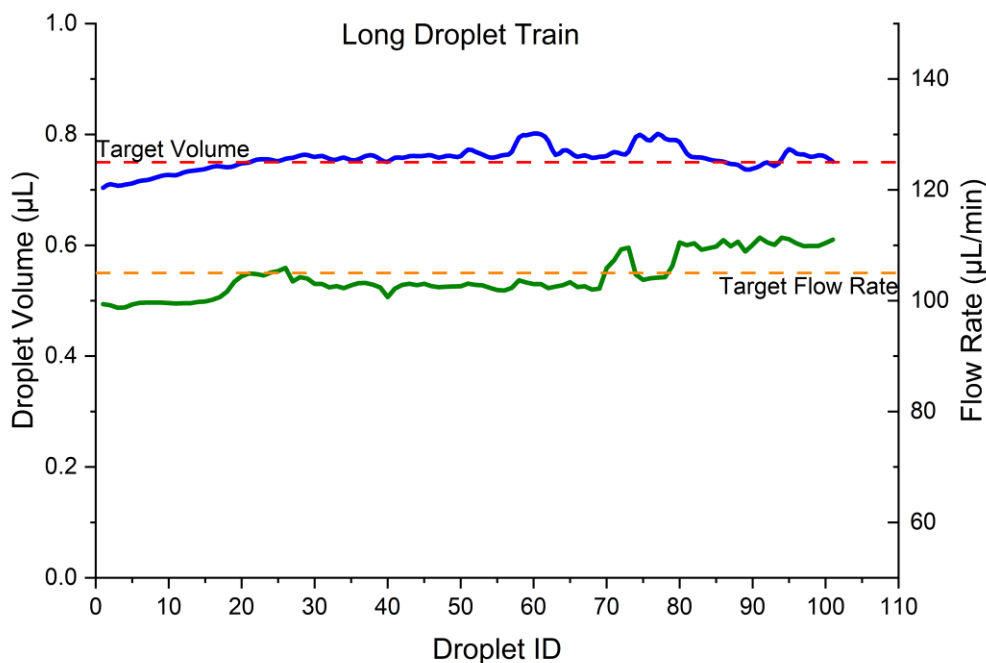


Fig. S 1 - Train of 100 single analyte constant volume (0.75 μL) droplets from 100 μL