

Table S1 | Dimensions of SW-FUD and Form 1+ cross sections (Fig. S3).

Device type	D (mm)
Form1+^a	
Expected	1.5
A	1.31 ± 0.01^c
B	1.26 ± 0.04^c
C	1.40 ± 0.02^c
D	1.14 ± 0.02^c
E	1.37 ± 0.01^c
F	1.28 ± 0.02^c
G	1.36 ± 0.04^c
H	1.40 ± 0.06^c
Average	1.30
Standard deviation	0.12^d
SW-FUD^b	
Expected	0.3
I	0.19 ± 0.01^c
J	0.20 ± 0.01^c
K	0.23 ± 0.03^c
L	0.26 ± 0.04^c
Average	0.22
Standard deviation	0.06^d

a: The Form1+ devices had circular channels. 3 technical replicates were collected for each circular cross section

b: SW-FUD devices had square channels. 6 technical replicates were collected for each cross-section, 3 vertically & 3 horizontally.

c. Experimental error estimate calculated using the technical replicates

d. The standard deviation of the sample population, incorporating the experimental error estimate for each sample.