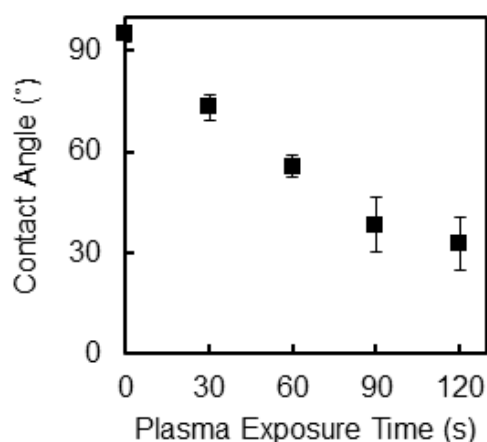


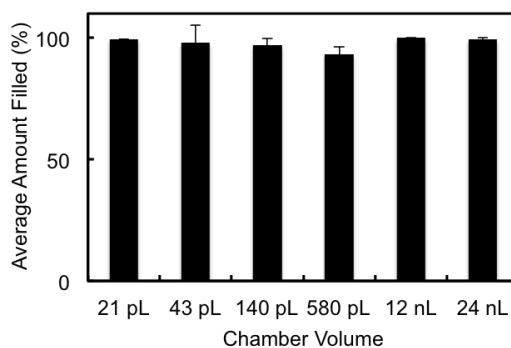
*Supplementary Information for:*

## **Power-free, digital and programmable dispensing of ultra-small droplets using a Digit Chip**

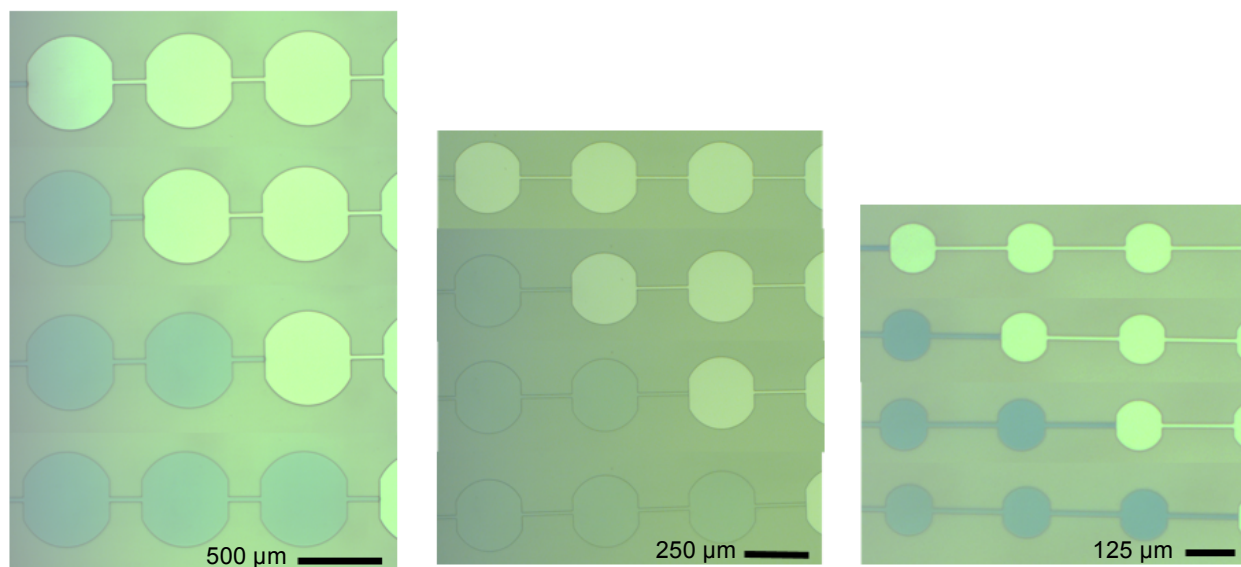
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**Fig. S1** The critical advancing contact angle of PBS on PDMS as a function of oxygen plasma exposure time. Error bars represent standard error.



**Fig. S2** Accuracy of filling as a function of chamber size.



**Fig. S3** A replication of Figure 2F-H performed using button presses rather than using a hydraulic pump, showing the same ability to reliably meter discrete quantities of liquid.