

Electronic Supplementary Information

Fabrication of paper devices via laser-heating-wax-printing for high-tech enzyme-linked immunosorbent assays with low-tech pen-type pH meter readout

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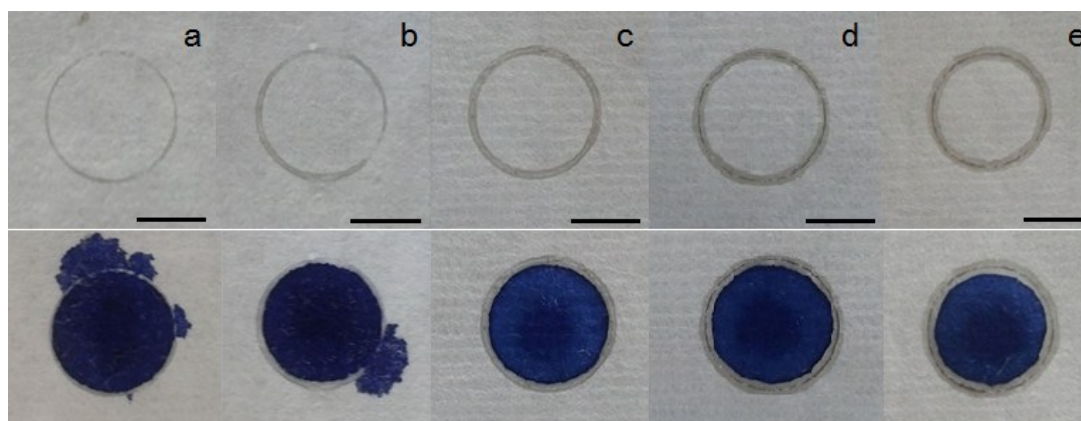


Fig. S1 Images of wax-patterned paper devices fabricated by the LHWP method at different applied currents before (up) and after (down) the wax-free central regions were wetted with blue ink aqueous solutions: (a) 1, (b) 1.4, (c) 1.9, (d) 2.2, and (e) 2.4 mA. Each of the scale bars is 2.5 mm.

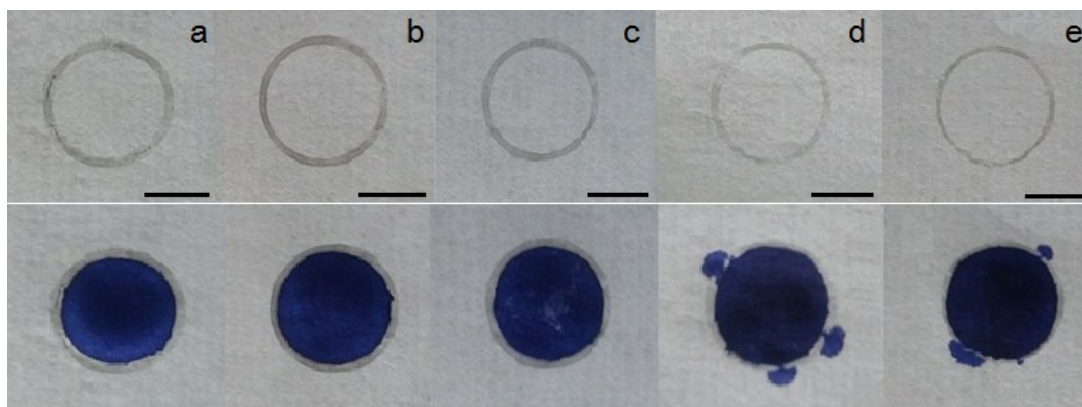


Fig. S2 Images of wax-patterned paper devices fabricated by the LHPW method at different moving rates of laser beam before (up) and after (down) the wax-free central regions were wetted with blue ink aqueous solutions: (a) 18, (b) 25, (c) 32, (d) 39, and (e) 46 mm/s. Each of the scale bars is 2.5 mm.