

Electronic supplementary material (ESI) for Lab on a Chip.

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Fig. S1 patch with calibration feature.

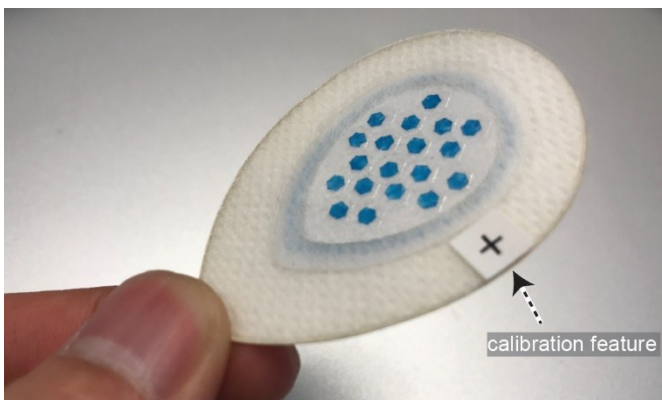


Fig. S2 pH (4-9) exhibits little impact on the ability of the hydrogel to expand.

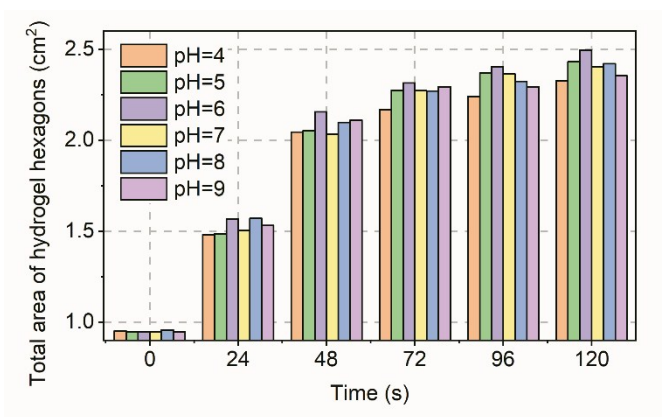


Fig. S3 Increased NaCl concentration (5, 10, 20, 50 and 100 mM) tends to decrease the performance of the hydrogel.

