**Colorimetric Diagnostic Capillary Enabled by Size Sieving in a Porous Hydrogel**

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**Supplementary Material Section 1**

![Diagram](image)

Figure S1. Porous hydrogel fabrication: PS particles removal.
Figure S2. Porous hydrogel relocation to new capillary tube.
Supplementary Material Section 2

Figure S3. Backlight Optimization.

Figure S4. (a) Image taken inside the detection box. (b) Actual experimental set-up of detection platform.
Figure S5. Porous hydrogel relocation to new capillary tube.