Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B. This journal is © The Royal Society of Chemistry 2023

# **Supporting Information**

### A biodegradable injectable fluorescent polyurethane-oxidized dextran

# hydrogel for non-invasive monitoring

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## **Supplementary Figures**

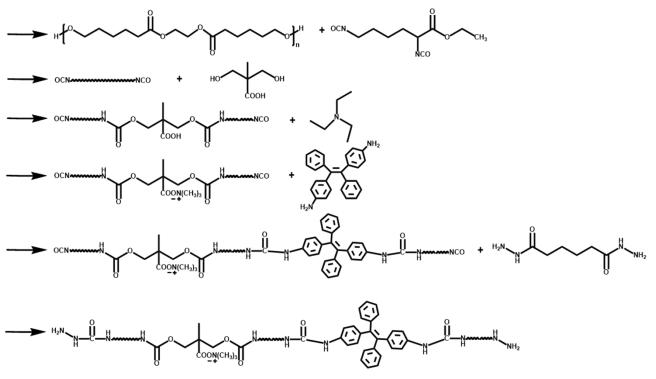


Fig. S1. Synthetic route of fluorescent PU.

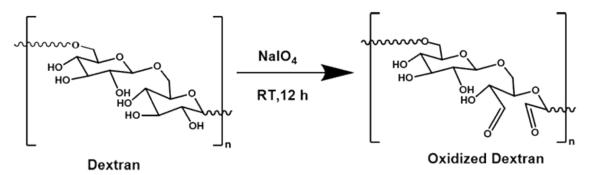


Fig. S2. Synthetic route of ODex.

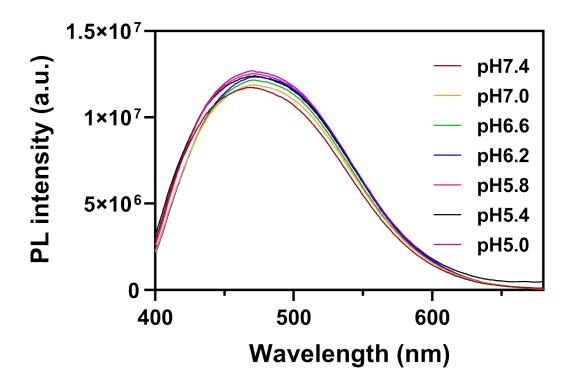


Fig. S3. Fluorescence emission spectra of PU at different pH.

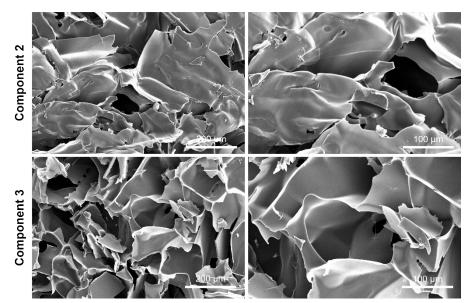


Fig. S4. SEM images of PU-OD hydrogels composed of groups number 2 and 3, as indicated in Table 2.