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Supplementary Figure 1: Optimization of PEG-MAL hydrogel crosslinking reaction. (A) Gelation time (s) vs. pH, data is represented as mean ± s.e.m. (B) Schematic to illustrate mixing experiment. The 4-arm PEG-MAL precursor was labeled with magenta food dye and confined between two slides separated by a 2 mm spacer. PEG-dithiol crosslinker labeled with cyan food coloring was then added. The solutions were mixed by pipetting up and down until gelation. (C) Representative images of the two components at the moment of gelation at pH 4.0, 5.6, and 7.0 and corresponding gelation times (215 s, 34 s, 4 s). As pH decreases, gelation time increases and the gel has increasing homogeneity.