

Supplemental Information

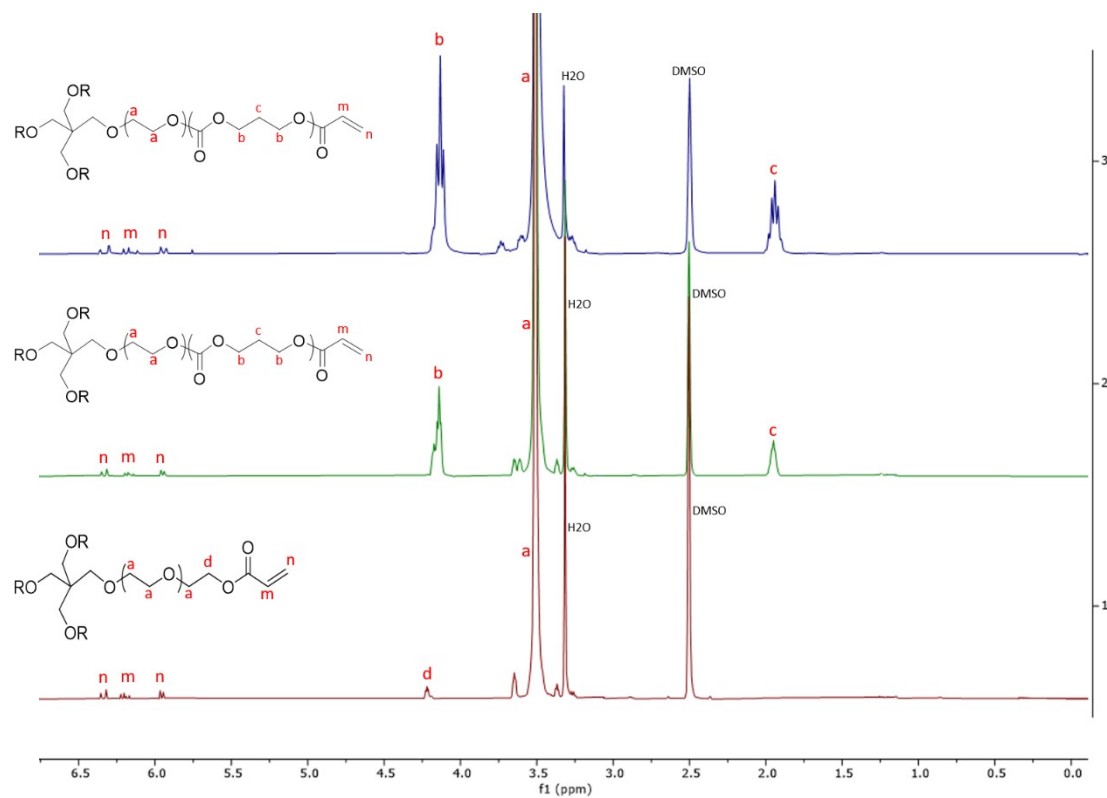


Figure S1. Chemical structure and ^1H NMR spectra (DMSO, 400 MHz) with peak assignments of: 1) 4a-[P(EG)_{3.75}-AC], 2) 4a-[P(EG)_{3.75}-*b*-P(TMC)_{0.42}-AC], and 3) 4a-[P(EG)_{3.75}-*b*-P(TMC)_{0.65}-AC].

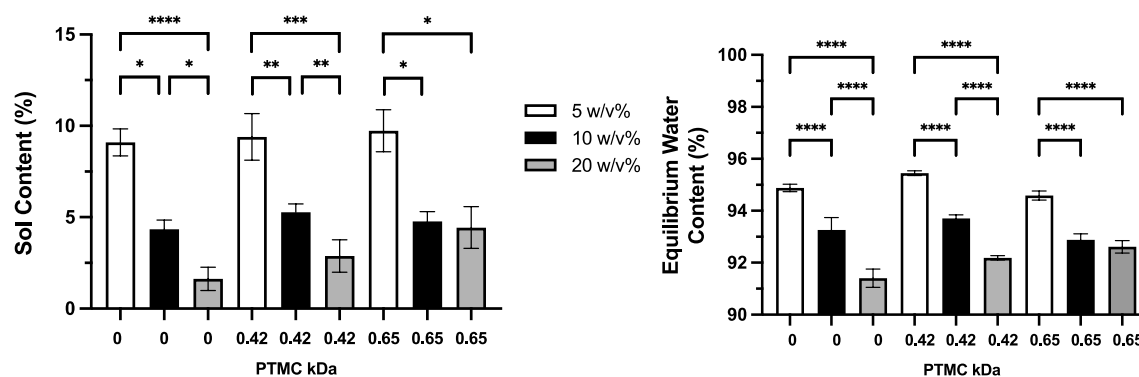


Figure S2. a) Sol content and b) equilibrium water content as a function of prepolymer composition and concentration in solution. (n = 5 - 6, mean ± SD). Significance differences between hydrogels are indicated as: * 0.01 < p < 0.05, ** 0.001 < p < 0.01, *** 0.0001 < p < 0.001, **** p ≤ 0.0001.

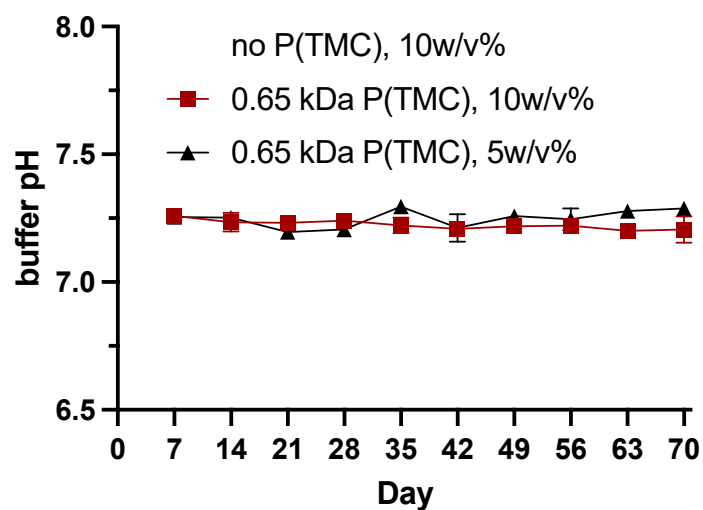


Figure S3. Change in buffer pH during hydrogel in vitro degradation.

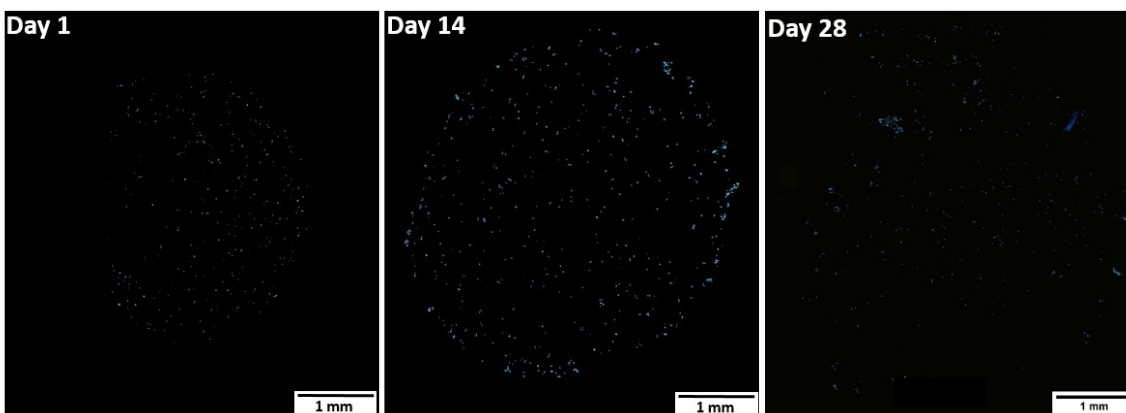


Figure S4: Representative images of collagen type I stained NPC-laden hydrogels at day 1, 14, and 28. Cell nuclei are stained blue. No collagen type I was observed during the culture period.