Preparation and characterization of new pH-sensitive polyurethane hydrogels as anti-cancer drug delivery systems for -fluorouracyl and fluorodeoxyuridine

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Supporting information

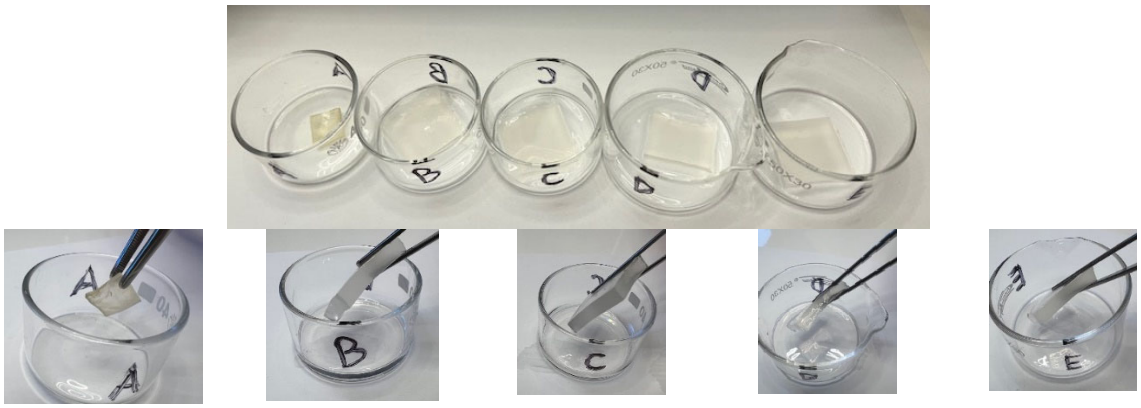


Figure S1. Example photos of the hydrogel (HPU-1) (A) before, (B) after 1h, (C) after 2h, (D) after 8h, and (E) after 24 h the process of buffer-absorbing (buffer solution pH = 7.4).

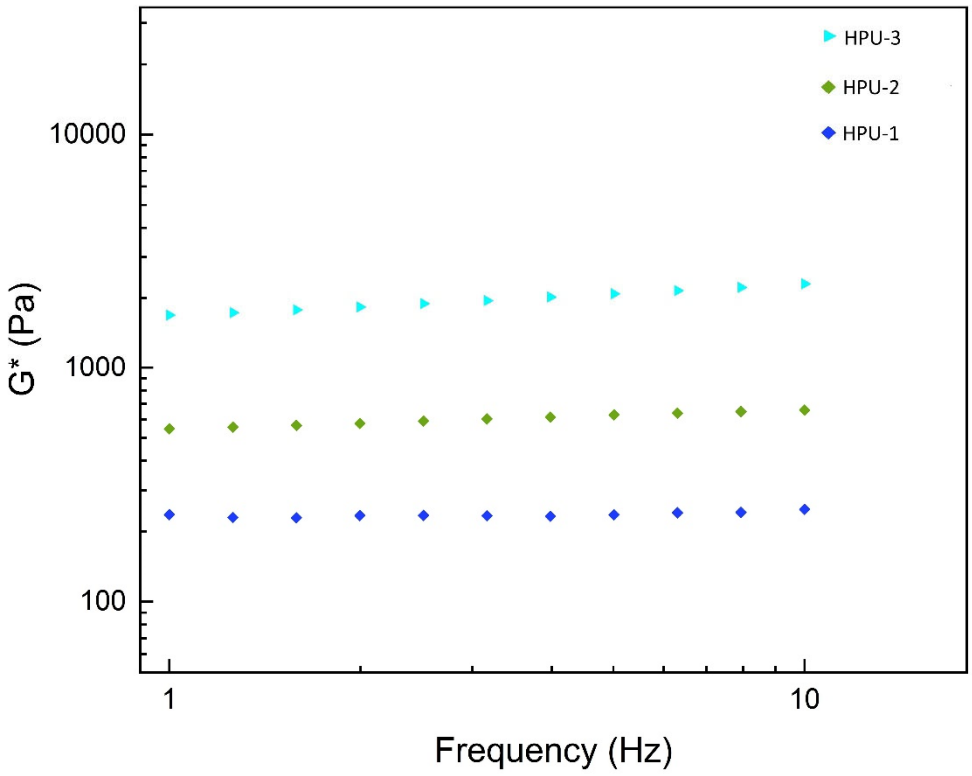


Figure S2. The oscillatory frequency sweeps at fixed strain (0.2 %): complex shear modulus G* of representative HPU samples measured at 37 ℃.

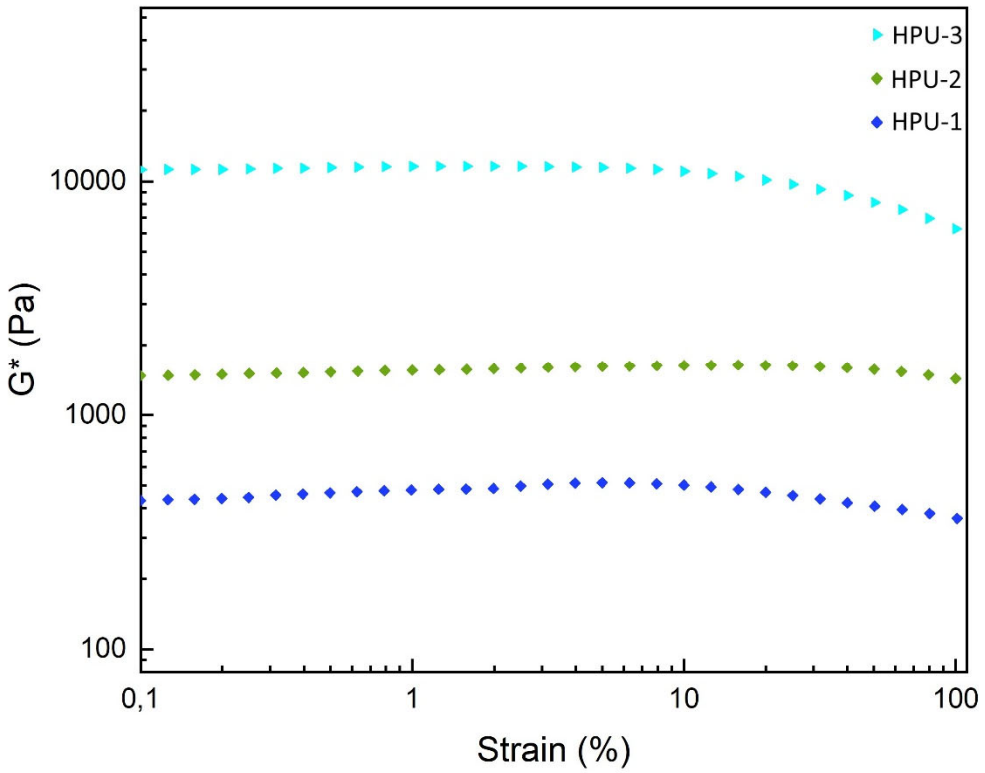


Figure S3. The representative oscillatory strain sweeps, for 0.1 – 100 % strain, at fixed frequency 1.6 Hz, under 37 ℃. Complex shear modulus for the representative HPU samples is consistent from 0.1% to about 1% strain.