

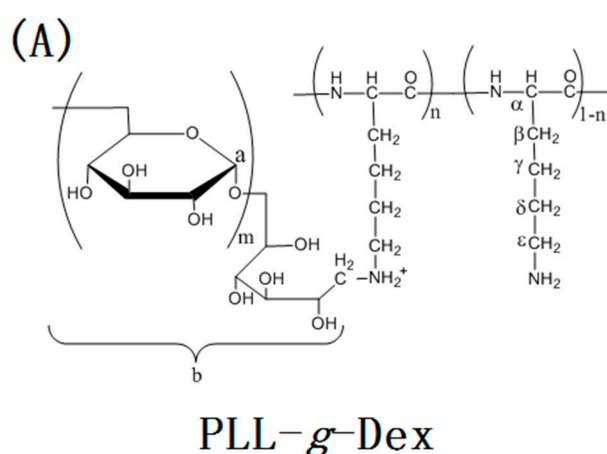
Supporting Information

Chaperone Copolymer Assisted G-Quadruplex-Based Signal Amplification Assay for Highly Sensitive Detection of VEGF

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Citation: Han, J.; Fang, C.; Ouyang, P.; Qing, Y.; Yang, Y.; Li, H.; Wang, Z.; Du, J. Chaperone Copolymer Assisted G-Quadruplex-Based Signal Amplification Assay for Highly Sensitive Detection of VEGF. *Biosensors* **2022**, *12*, 262. <https://doi.org/10.3390/bios12050262>

Received: 31 March 2022

Accepted: 19 April 2022

Published: 20 April 2022

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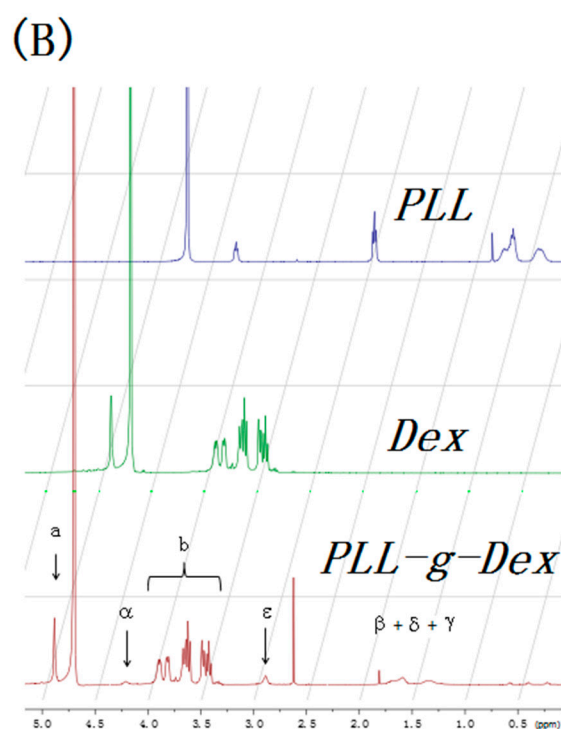


Figure S1. (A) Structural formula of poly(L-lysine)-graft-dextran (PLL-*g*-Dex) copolymer. (B) ¹H-NMR spectra of PLL, Dex and PLL-*g*-Dex in D₂O. The dextran content of the copolymer was calculated from ¹H-NMR signals assigned to PLL(ε-CH₂) and dextran(C₁-H, a).

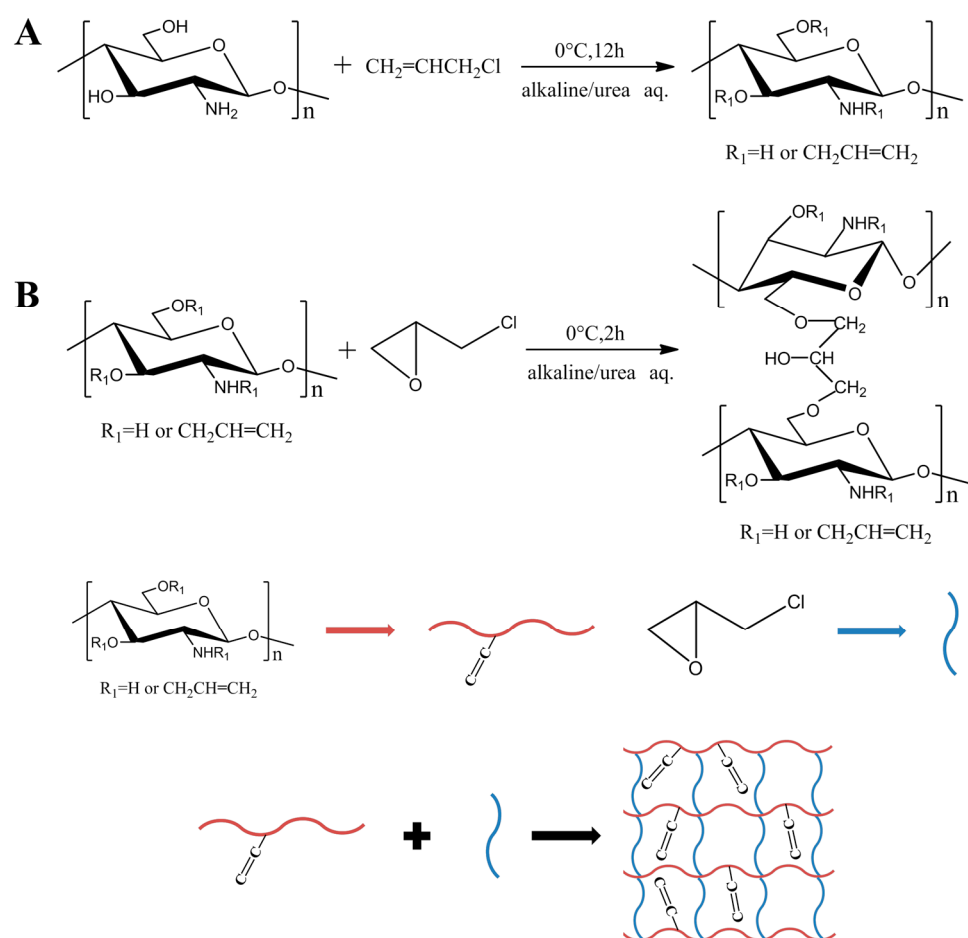


Figure S2. (A) Allylation of chitosan in KOH/LiOH/urea solution. (B) Schematic representation of ECH cross-link AC to prepare hydrogel film.

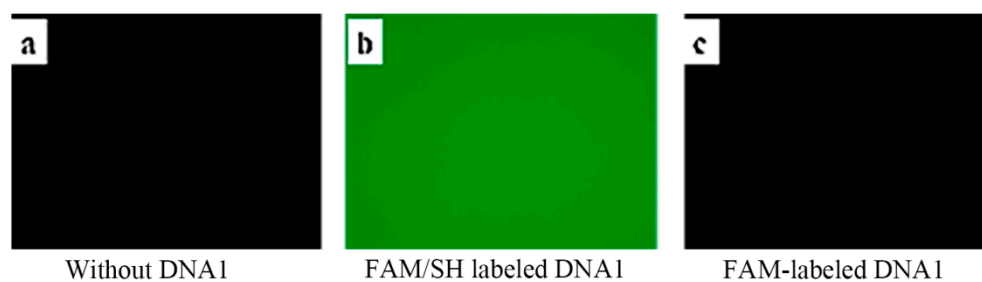


Figure S3. Fluorescent images the gels formed (a) without DNA1, (b) with FAM/SH-labeled DNA1, (c) with FAM-labeled DNA.