

Supporting Information

Injectable Thixotropic Hydrogel Comprising Regenerated Silk Fibroin and Hydroxypropylcellulose

**Zuguang Gong,^a Yuhong Yang,^{*b} Qingguang Ren,^b Xin Chen,^a Zhengzhong
Shao^{*a}**

^a Department of Macromolecular Science, Key Laboratory of Molecular Engineering of Polymers of Ministry of Education, Laboratory of Advanced Materials, Fudan University, 220 Handan Road, Shanghai 200433, People's Republic of China. E-mail: zzshao@fudan.edu.cn

^b Research Center for Analysis and Measurement, Fudan University, 220 Handan Road, Shanghai 200433, People's Republic of China. E-mail: yuhongyang@fudan.edu.cn

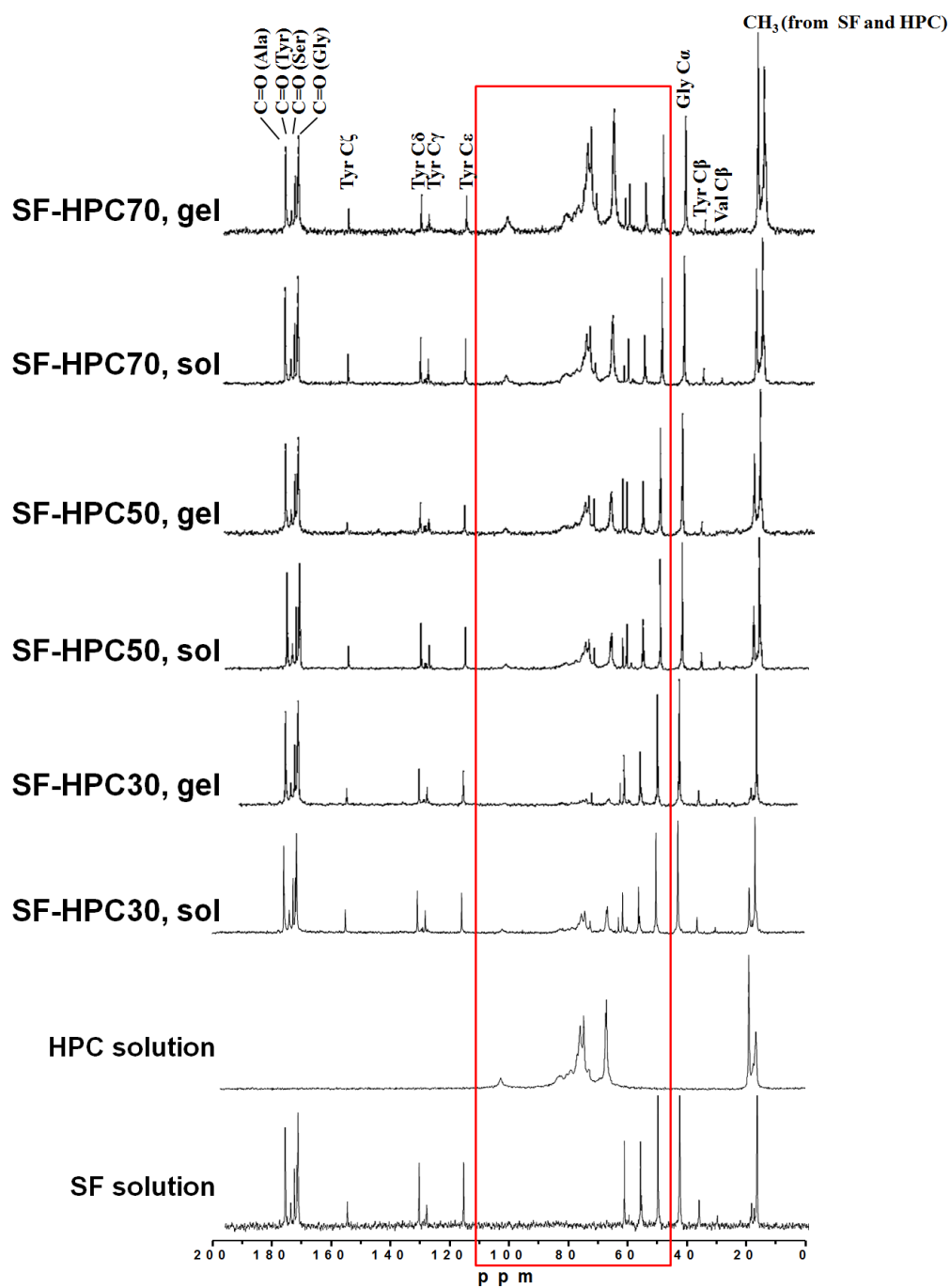


Figure S1. Full-width ^{13}C NMR spectra of 10 wt% SF-HPC solution and hydrogel with different SF-HPC mix ratios. The framed region between 45-110 ppm was expanded as Figure 6

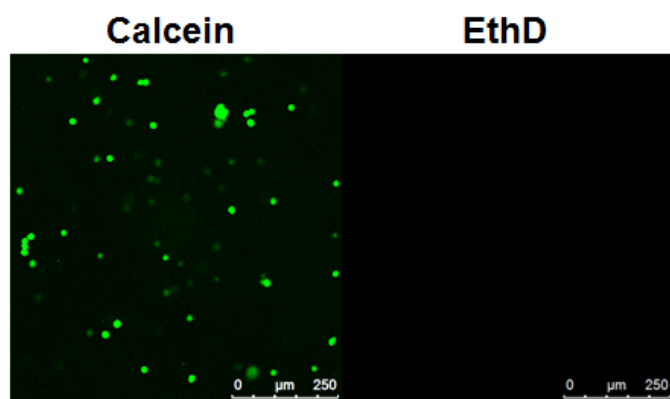


Figure S2. Live (stained by Calcein)/dead (stained by EthD) cell viability staining CLSM images of encapsulated cells in a SF-HPC30 hydrogel after injection.

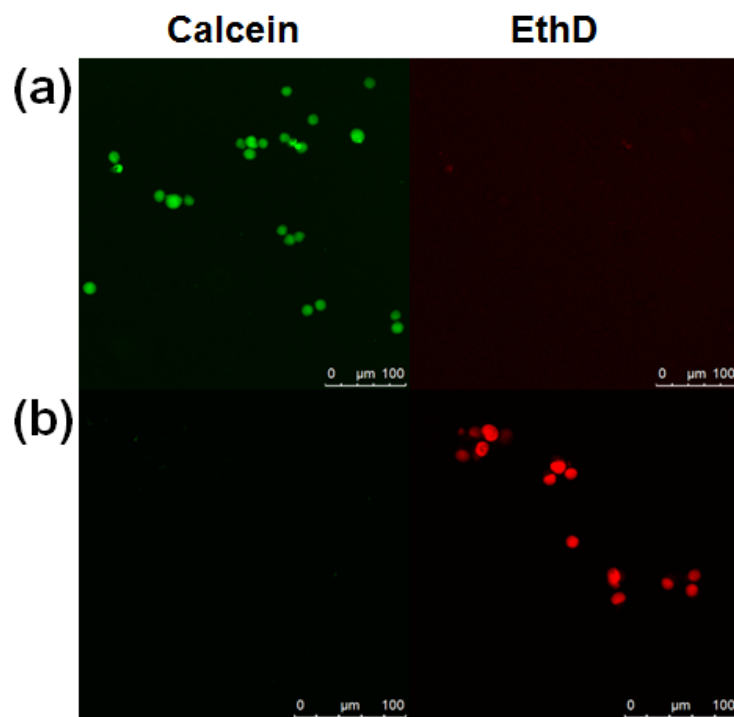


Figure S3. Live (stained by Calcein)/dead (stained by EthD) cell viability staining CLSM images of (a) encapsulated cells in a SF-HPC30 hydrogel after 24h of culture and (b) negative control cells treated with 70% methanol for 30 minutes.