

Supporting information

In situ formation of near-infrared controlled dual-antibacterial platform

Zhuoyao Ni,^{#a} Jiajie Hu,^{#a} Hui Zhu,^b Yazhuo Shang,^{*a} Daijie Chen,^b Yinghong Chen^c and Honglai Liu^a

^aKey Laboratory for Advanced Materials, School of Chemistry & Molecular Engineering, East China University of Science and Technology, Shanghai 200237, China

^bShanghai Jiao Tong University, No. 800 Dongchuan Road, Minhang District, Shanghai 201100, China

^cShanghai 5+5 Biotech LTD., Shanghai 200081, China

***Corresponding author: Yazhuo Shang (Y. Z. Shang)**

e-mail: shangyazhuo@ecust.edu.cn

TEL & FAX: 86 21 6425 2767

#These authors contributed equally to this work

Contents

Photographs of the release of ICG from hydrogel at different time within a week.....	S1
In vitro cytotoxicity of VL/SA/CMCS hydrogel containing different concentrations of VL.....	S2
UV-Vis absorption spectra of vancomycin under different concentrations and its standard curve.....	S3
UV-Vis absorption spectra of RhB under different concentrations and its standard curve.....	S4
UV-Vis-NIR absorption spectra of ICG under different concentrations and its standard curve.....	S5

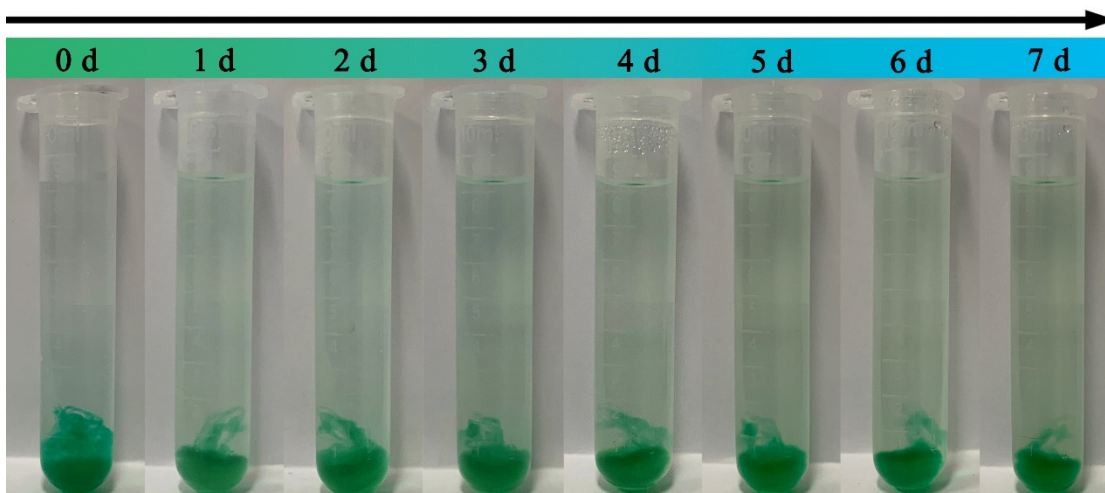


Fig. S1 Photographs of the release of ICG from hydrogel at different time within a week.

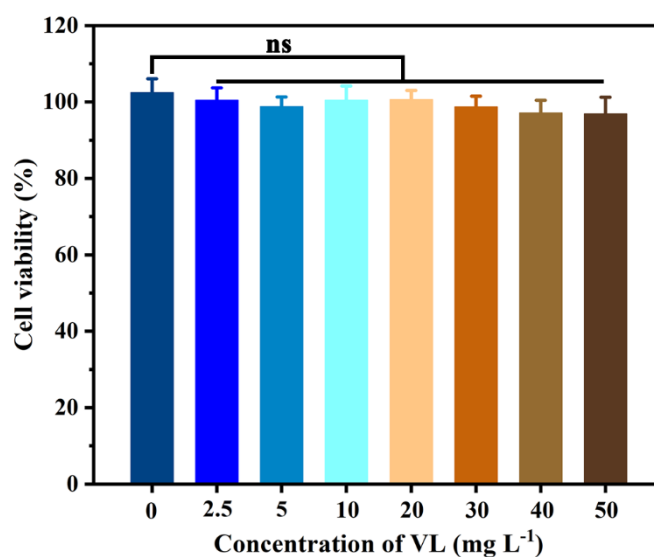


Fig. S2 In vitro cytotoxicity of VL/SA/CMCS hydrogel containing different concentrations of VL. Data are presented as the mean \pm standard deviation (n = 3).

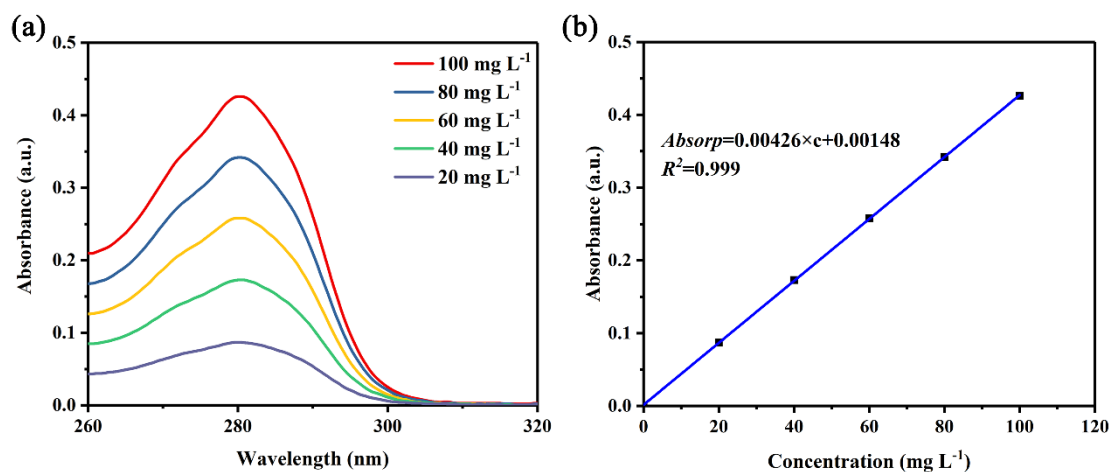


Fig. S3 (a) UV-Vis absorption spectra of vancomycin under different concentrations;

(b) The standard curve based on UV-Vis absorption of vancomycin at different concentrations.

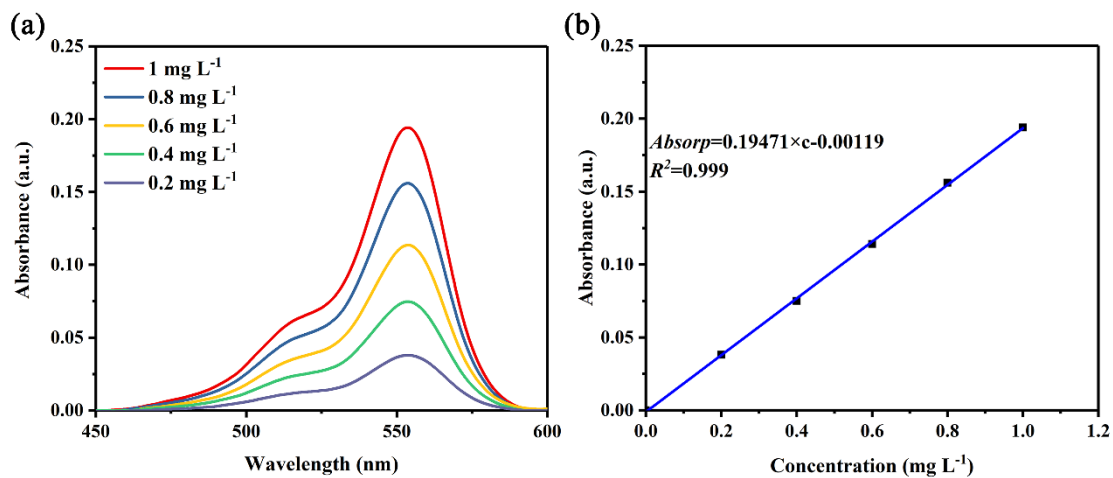


Fig. S4 (a) UV-Vis absorption spectra of RhB under different concentrations; (b) The standard curve based on UV-Vis absorption of RhB at different concentrations.

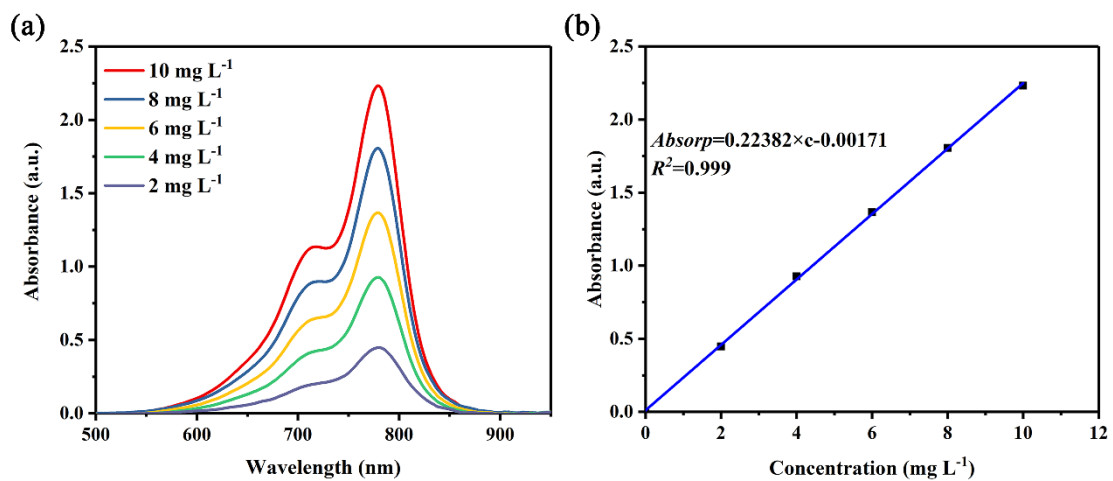


Fig. S5 (a) UV-Vis-NIR absorption spectra of ICG under different concentrations; (b) The standard curve based on UV-Vis-NIR absorption of ICG at different concentrations.