

Electronic Supplementary Information

The Main Chain Biodegradable Polyurethane with Anti-protein Adsorption and Anti-bacterial Adhesion Performances

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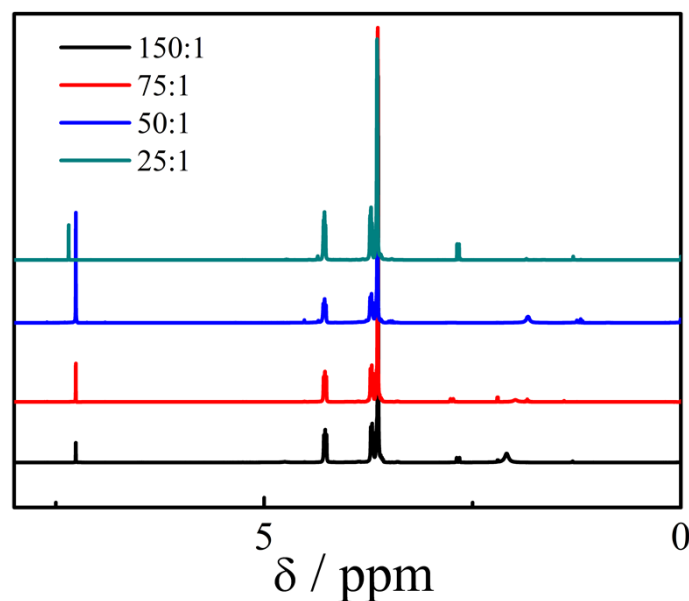


Fig. S1. ¹H NMR spectras of PEOC(OH)₂ with different monomer and initiator ratios.

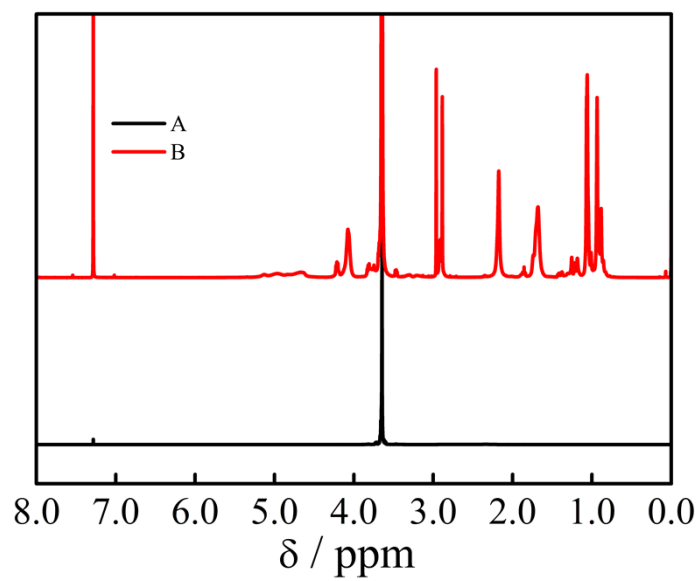


Fig. S2. ¹H NMR spectra of (A) PEG(OH)₂, (B) PEG-PU.

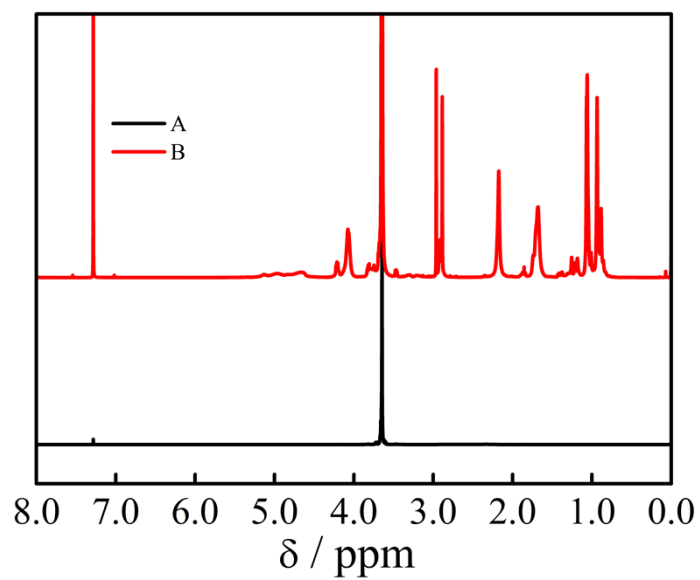


Fig. S3. ¹H NMR spectra of (A) PPG(OH)₂, (B) PPG-PU.

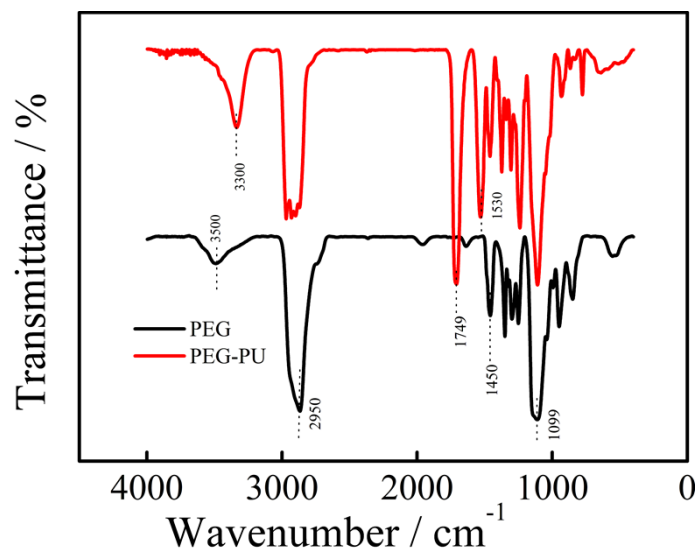


Fig. S4. FTIR spectra of PEG and PEG-PU. The whole spectra are shown from 4000 to 500 cm^{-1} .

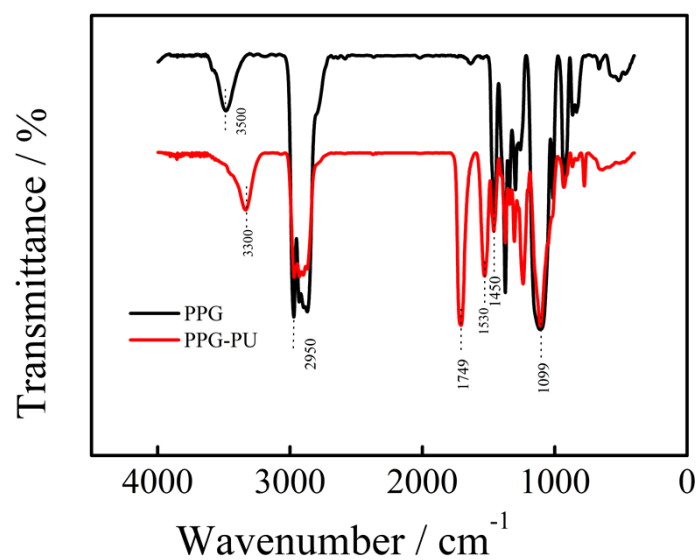


Fig. S5. FTIR spectra of PPG and PPG-PU. The whole spectra are shown from 4000 to 500 cm^{-1} .

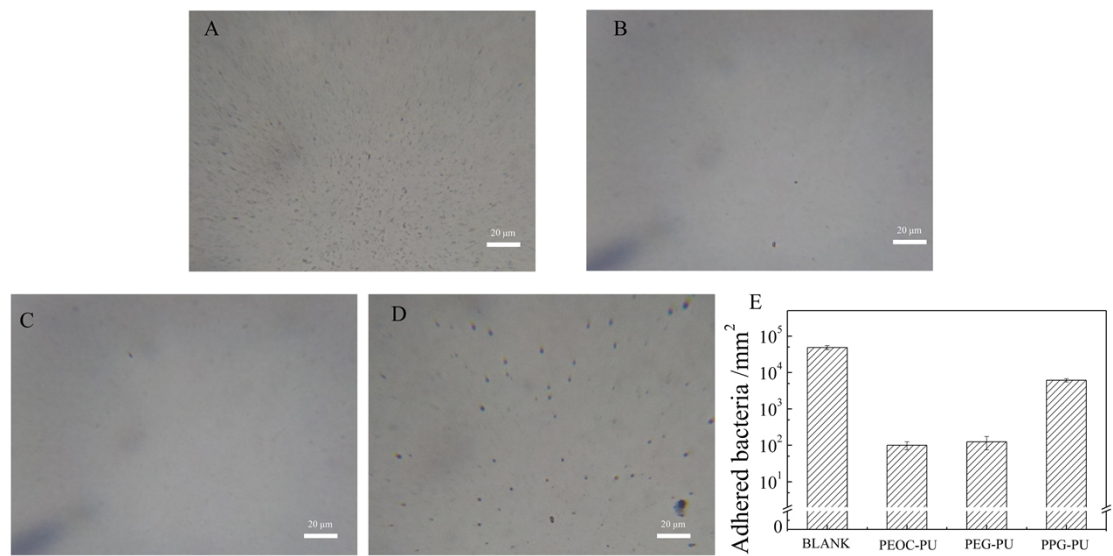


Fig. S6. Images of (A) BLANK, (B) PEG-PU, (C) PEOC-PU and (D) PPG-PU films immersion in *S. aureus* suspension in culture medium for 24 hours. Scale bar 20 μm; (E) adhered bacterial on PU films.