

SUPPLEMENTARY INFORMATION

Bioinspired Antifouling and Antibacterial Polymer Coating with Intrinsic Self-healing Property

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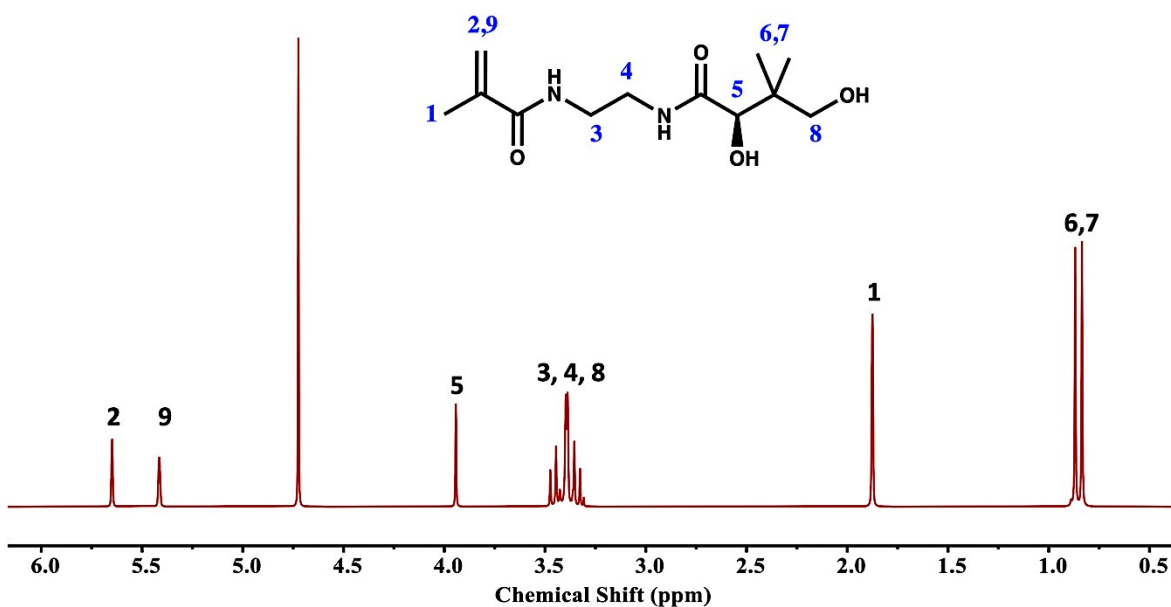


Figure S1. ¹H NMR spectrum of the B5AMA monomer

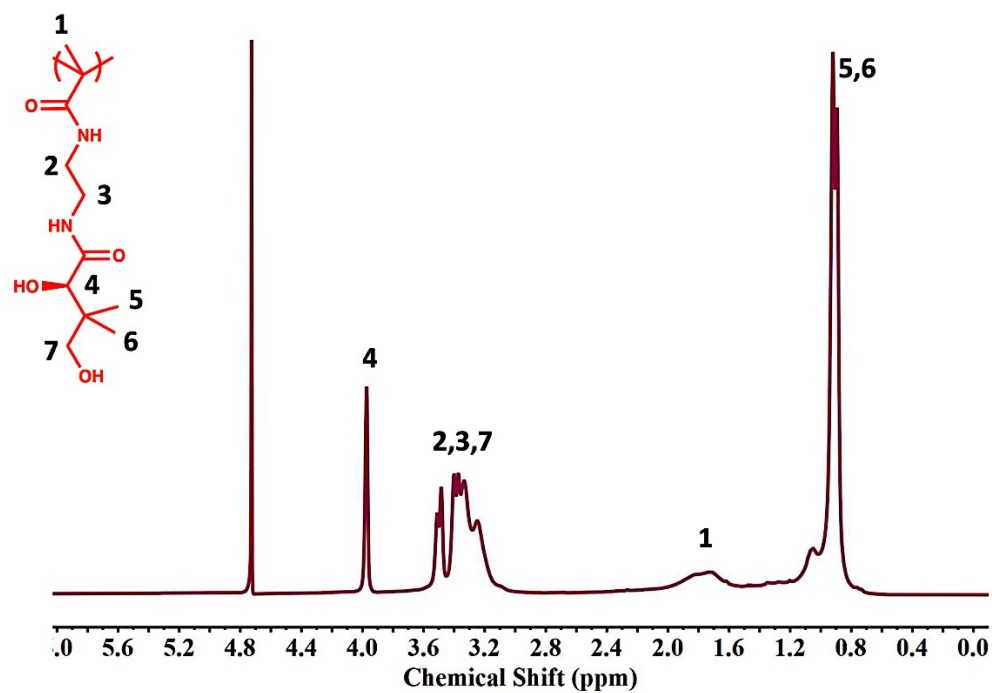


Figure S2. ¹H NMR spectrum of the poly (B5AMA) polymer

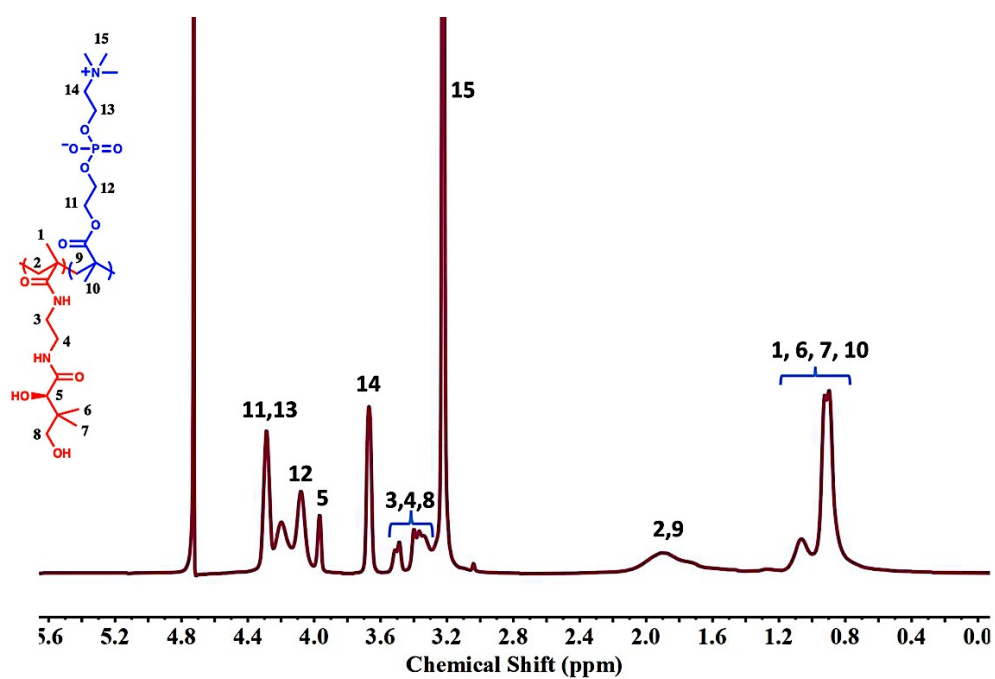


Figure S3. ¹H NMR spectrum of the zwitterionic poly (MPC-*st*-B5AMA) polymer

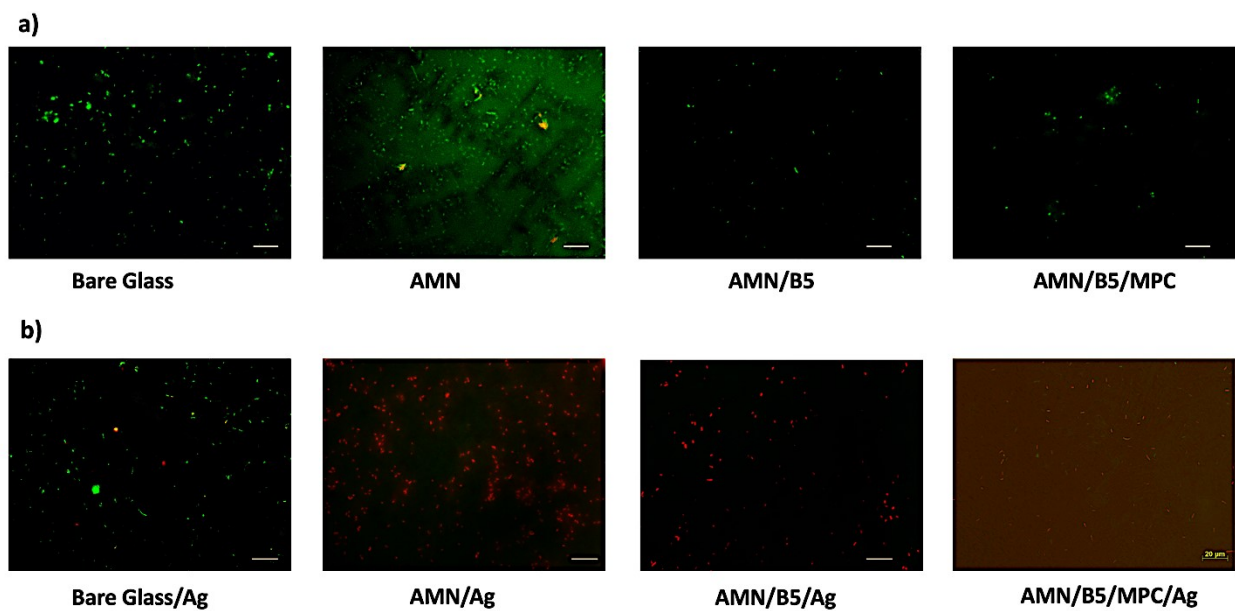


Figure S4. Fluorescence images of *E. coli* adhesion on a) modified surfaces (Bare Glass, AMN, AMN/B5, and AMN/B5/MPC). And b) AgNPs deposited modified surfaces (Bare Glass/Ag, AMN/Ag, AMN/B5/Ag, and AMN/B5/MPC/Ag). Scale bar 20 μ m.

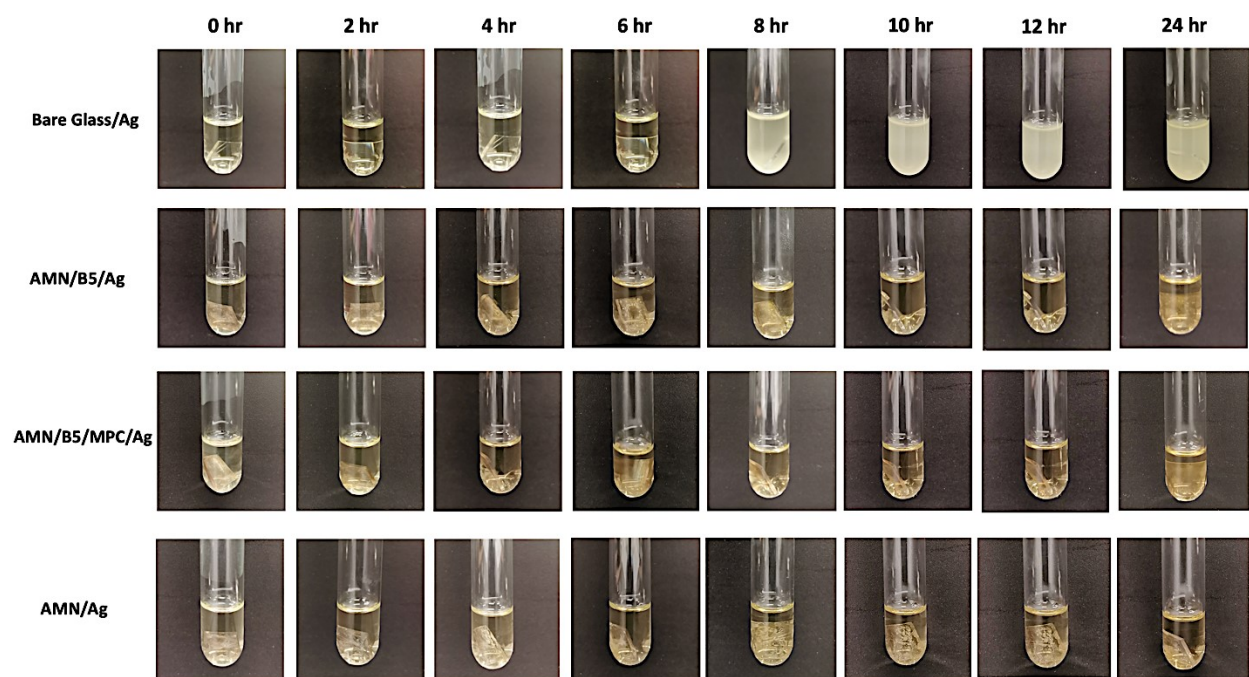


Figure S5. *S. aureus* bacterial suspension media in contact with different coated samples