Supplementary Information

An injectable self-healing CS/PDA-AgNPs hybrid hydrogel for mild and highly-efficient photothermal sterilization

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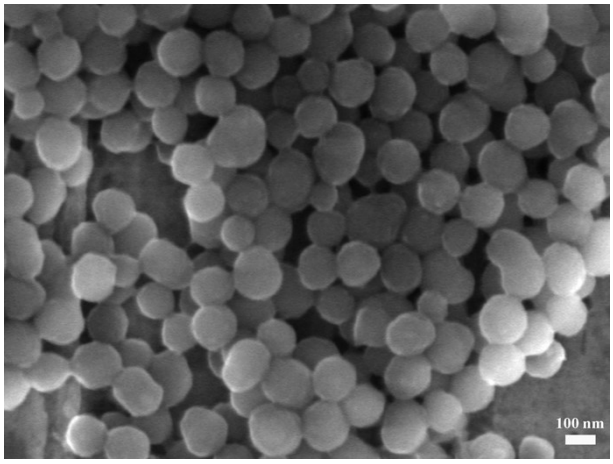

Fig. S1 The SEM image of PDANPs.

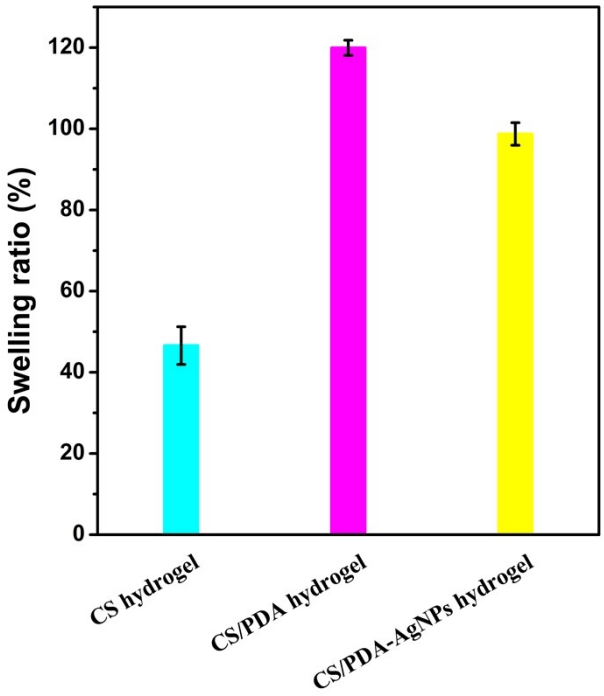

Fig. S2 Swelling ratio of various hydrogels after 24 h in PBS, pH 7.4 at 37 °C.

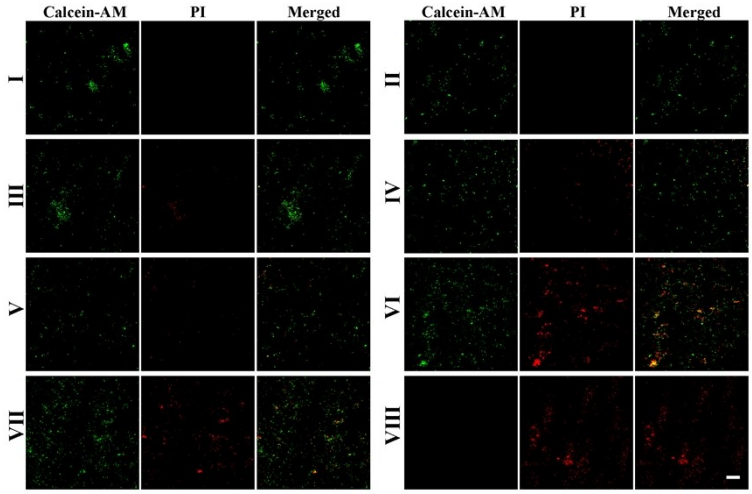

Fig. S3 The fluorescence images of *E. coli* with various treatments. Green (Calcein-AM) represents viable bacteria and red (PI) indicates dead bacteria. Scale bar are 50 μm. (I: PBS, II: PBS+NIR, III: CS hydrogel, IV: CS hydrogel + NIR, V: CS/PDA hydrogel, VI: CS/PDA hydrogel + NIR, VII: CS/PDA-AgNPs hydrogel, VIII: CS/PDA-AgNPs hydrogel + NIR.)