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## Supplementary Information

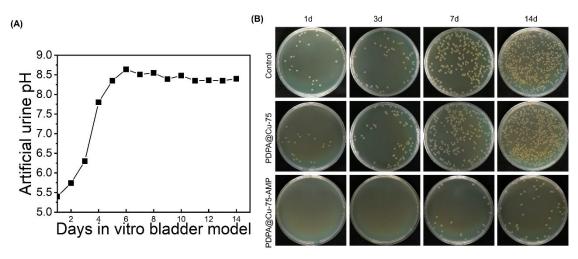


Fig S1 (A) Artificial urine pH of in vitro bladder model in 14 days. (B) Antibacterial effect of control, PDPA@Cu-75, and PDPA@Cu-75-AMP coatings in vitro in 2 weeks.

Fig S2 PDPA@Cu-75-AMP coating antibacterial effect after soaked in pH 8.5 PBS for 1 to 10 weeks.

