

Supplementary materials



Portable Colorimetric Sensor Based on DNA-Ag/Pt Bimetallic Nanozyme Sensing Kit for Quantitative Detection of *Staphylococcus aureus*

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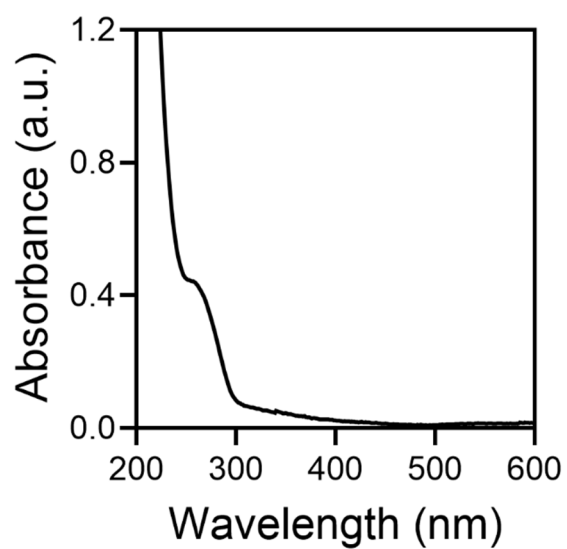


Figure S1. UV-vis absorption spectrum of DNA-Ag/Pt NCs.

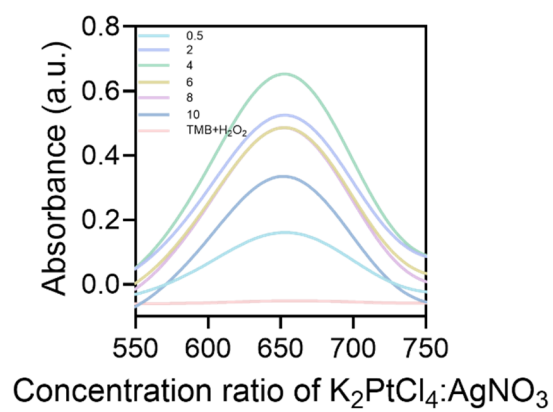


Figure S2. UV-vis absorption spectra of the TMB-H₂O₂ system catalyzed by DNA-Ag/Pt NCs prepared with different K₂PtCl₄/AgNO₃ concentration ratios.

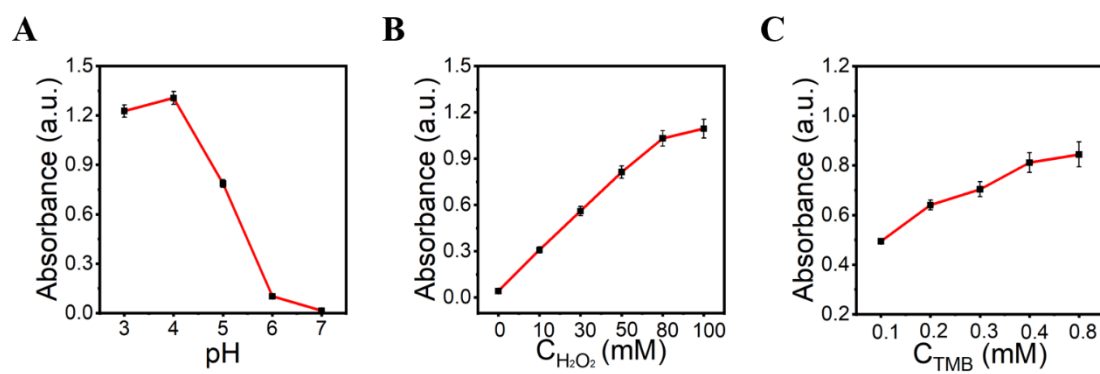


Figure S3. UV-Vis absorbance at 652 nm of the oxTMB under different conditions: (A) pH value, (B) H_2O_2 concentration, (C) TMB concentration.

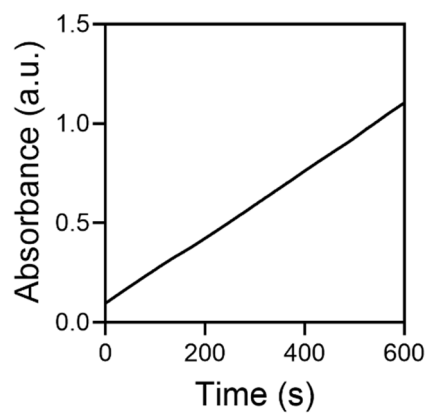


Figure S4. Time-dependent activity profile of the peroxidase-like activity of DNA-Ag/Pt NCs.

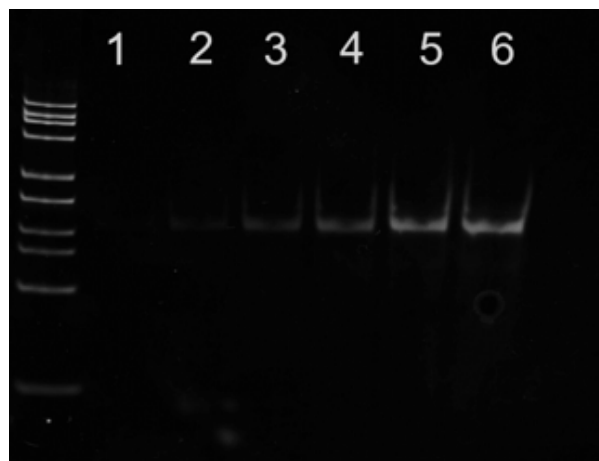


Figure S5. DNA gel electrophoresis image of supernatant after adding Bio-Apt of different concentrations in the kit. M: Marker, lane 1: 50 nM Bio-Apt; lane 2: 100 nM Bio-Apt; lane 3: 200 nM Bio-Apt; lane 4: 400 nM Bio-Apt; lane 5: 800 nM Bio-Apt; lane 6: 1 μ M Bio-Apt.