

Electronic Supplementary Information

Etching Based Fluorescent Probe for Sensitive Detection of Hydrogen Sulfide in Cells

Contents

- 1. UV-vis absorbance spectrum of AgNPs. (Figure S1)**
- 2. The effect of pH to the stability and detection efficiency of FAM-DNA/AgNPs (Figure S2)**
- 3. Cell viability of Hela cells (Figure S3)**

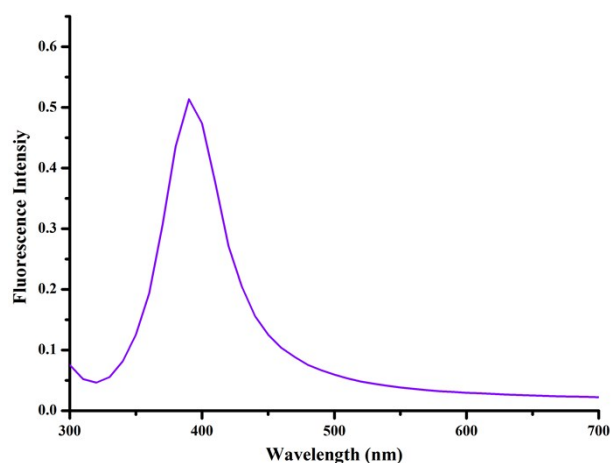


Figure S1. UV - Visible spectra of AgNPs

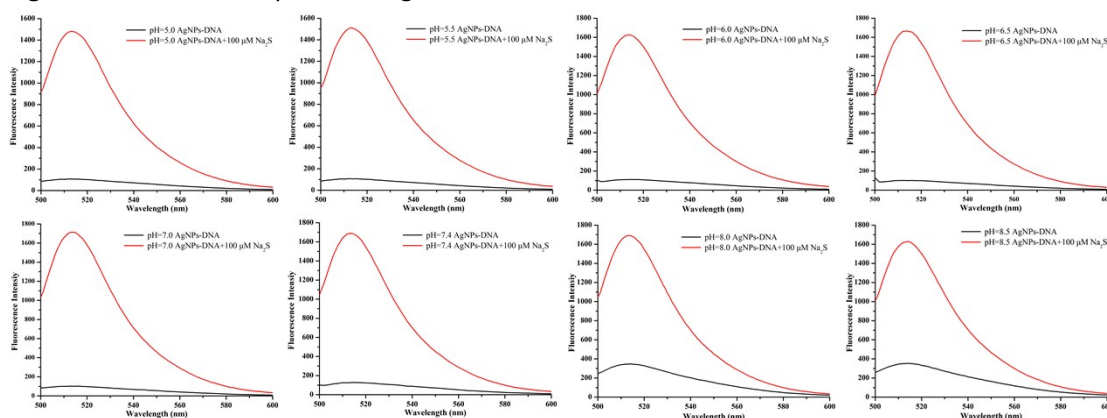


Figure S2. Fluorescence spectra ($\lambda_{\text{exc}} = 480 \text{ nm}$) of FAM-DNA/AgNPs with and without Na_2S ($100 \mu\text{M}$) at different pH conditions.

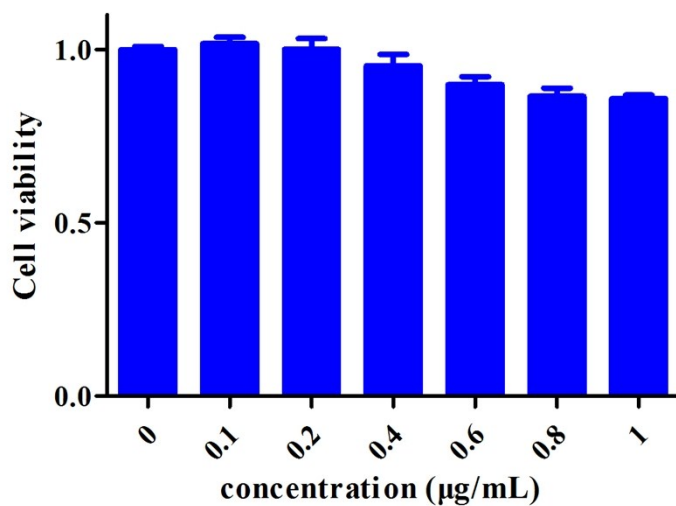


Figure S3. The cell viability of Hela cells after 48 h incubation with different concentrations of FAM-DNA/AgNPs.