

Supporting Information

Colorimetric determination of phenytoin using indoxyl sulfate capped silver nanoparticles

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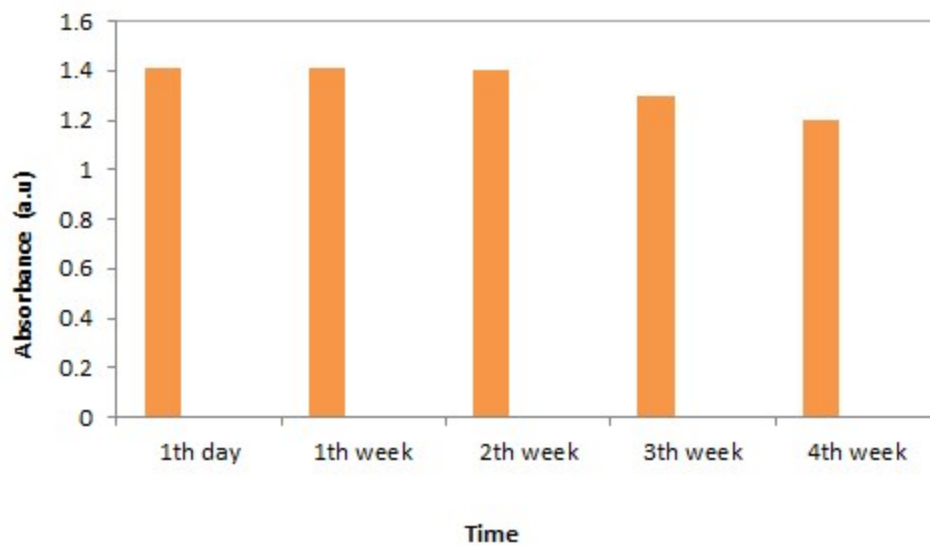


Figure S1. The maximum absorbance intensity ($\lambda_{\text{max}}=390\text{ nm}$) of InS-AgNPs stored at $4\text{ }^{\circ}\text{C}$ at different times

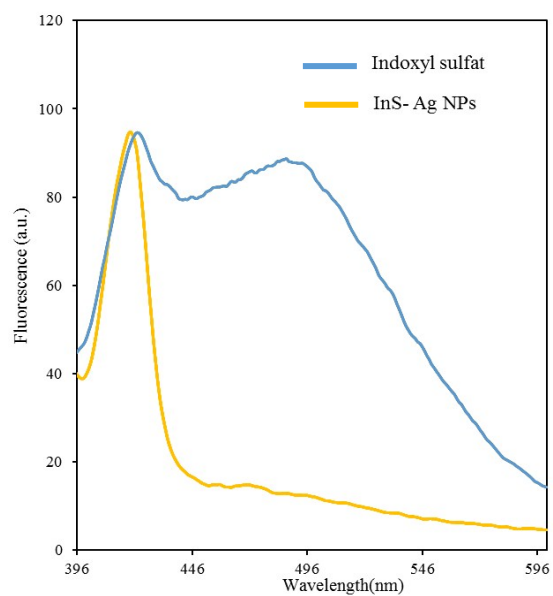


Figure S2. Fluorescence spectra of aqueous solutions of InS ($1.0 \times 10^{-2}\text{ M}$) and InS-AgNPs ($\lambda_{\text{ex}}=370\text{ nm}$ and $\lambda_{\text{em}}=420\text{ nm}$).

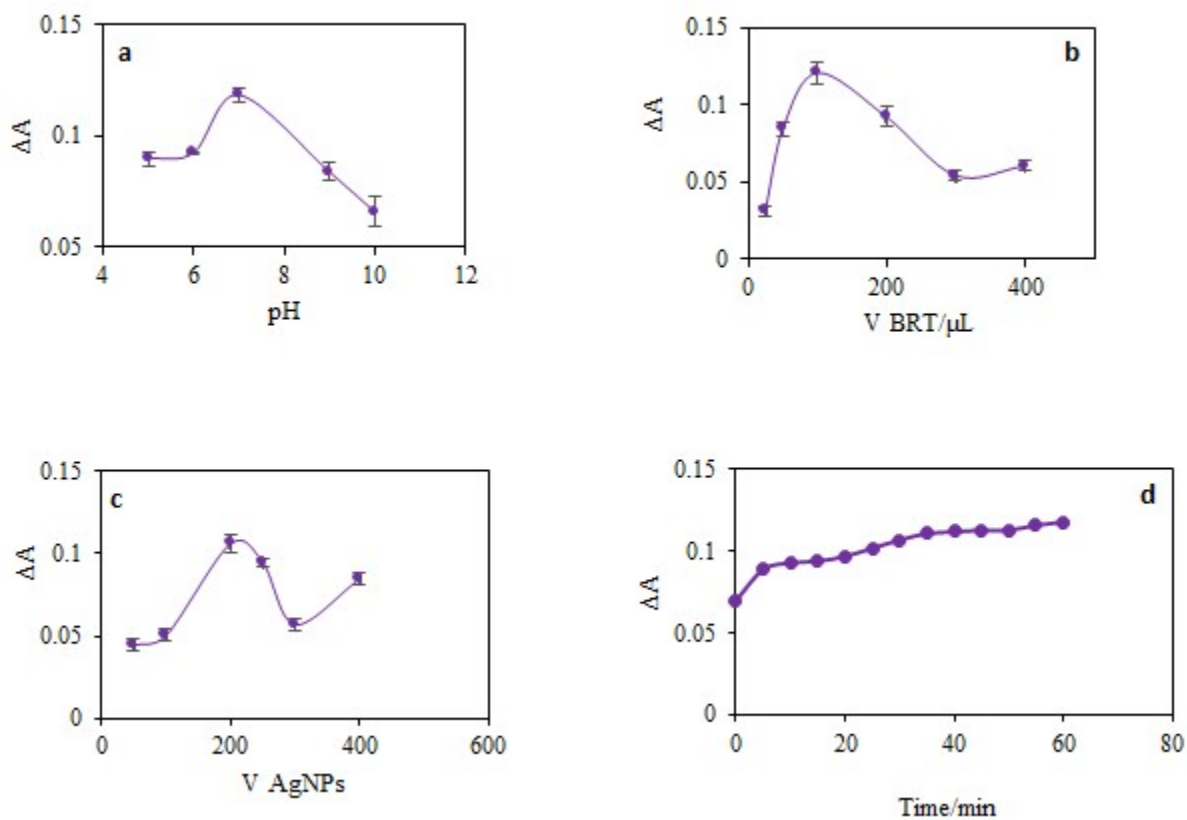


Figure S3. Optimization of the absorption intensity: (A) Effect of pH value. Conditions: InS-AgNPs (250 μL), PHT (100 $\mu g L^{-1}$), time (25 min); (B) Effect of BRT buffer volume. Conditions: (pH=7), other conditions are as in A. (C) Effect of InS-AgNPs solution volume. Conditions: ($V_{BRT}=100 \mu L$), conditions are as in C.

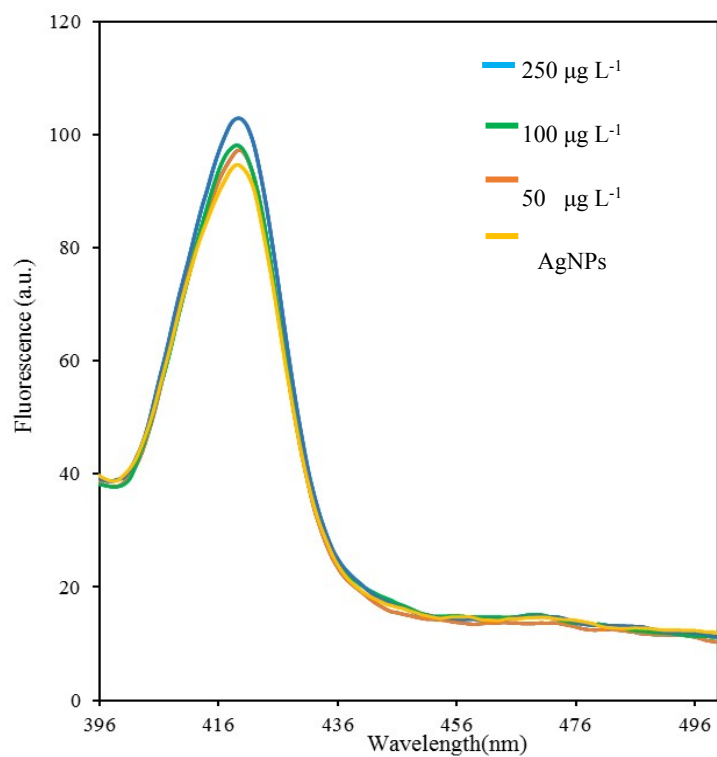


Figure S4. Effect of PHT on the fluorescence intensity of InS-AgNPs.

