Electronic Supplementary Material (ESI) for Analytical Methods.

Supporting Information

A Highly Sensitive SERS Probe for Bisphenol A Detection Based on Functionalized Au@Ag Nanoparticles

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List of contents

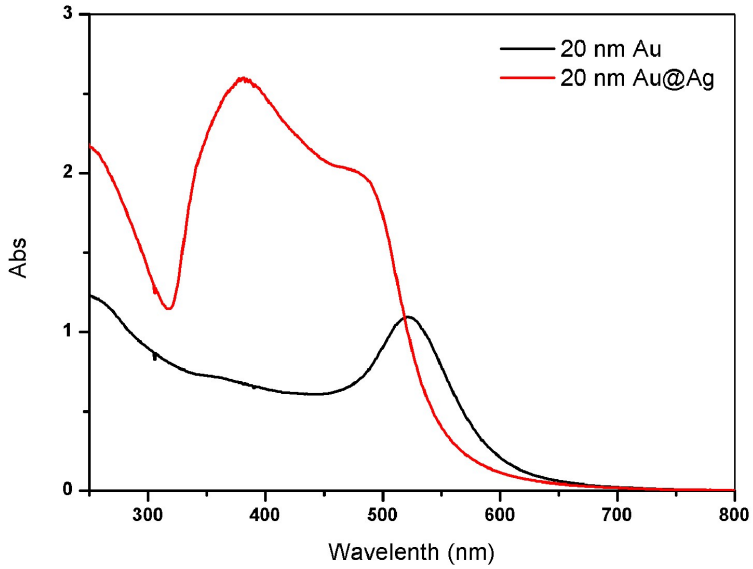

Fig. S1. UV/Vis absorption spectra for the Au NPs and Au@Ag core-shell NPs.

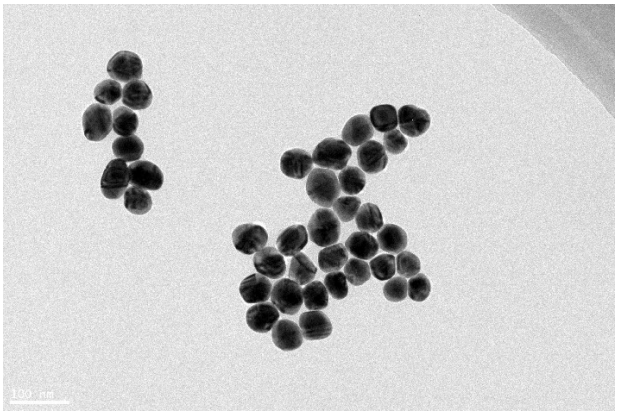

Fig. S2. TEM image of Au@Ag Nanoparticles.

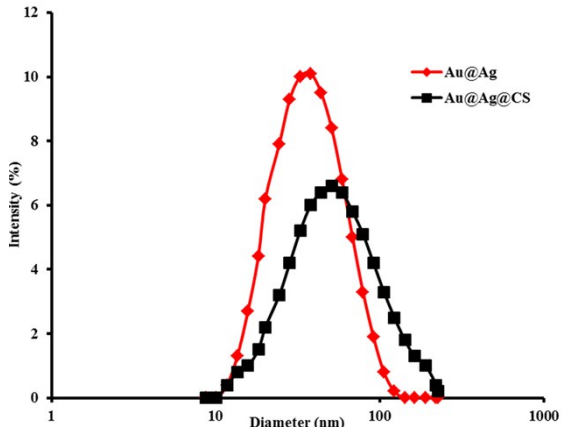

Fig. S3. Characterization of the average diameter of Au@Ag@CS NPs by dynamic light scattering distributions.

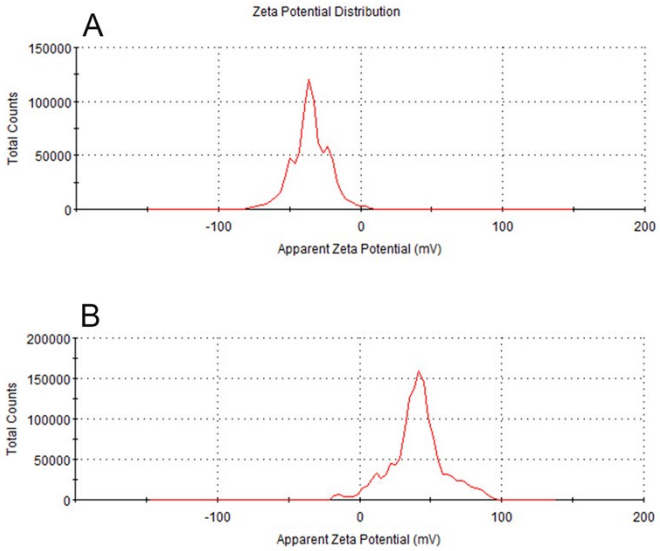

Fig. S4. Zeta potential of the surface of NPs: (A) Au@Ag NPs, (B) Au@Ag@CS NPs.

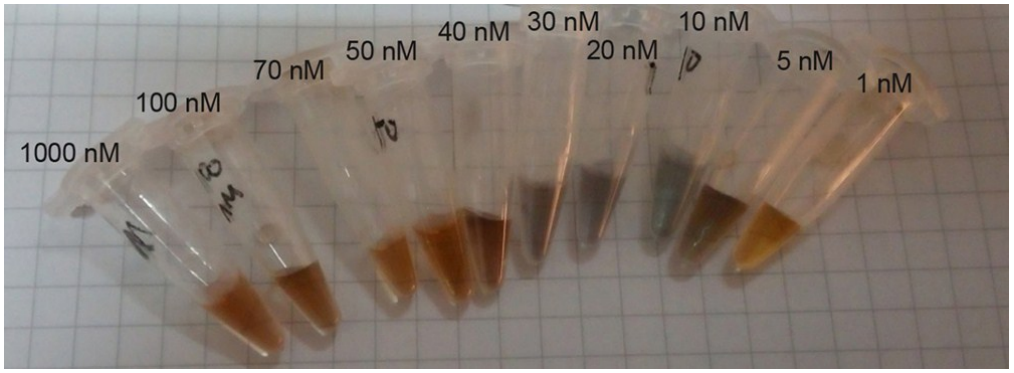

Fig. S5. Colour change of Au@Ag@MAB@CS NPs colloids system for various concentrations of anti-BPA aptamer DNA. Concentration ranged from 1000 nM to 1 nM.