

Ultrasensitive aptamer biosensor for arsenic(III) detection in aqueous solution based on surfactant-induced aggregation of gold nanoparticles

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Electronic Supplementary Information

Supplementary figures:

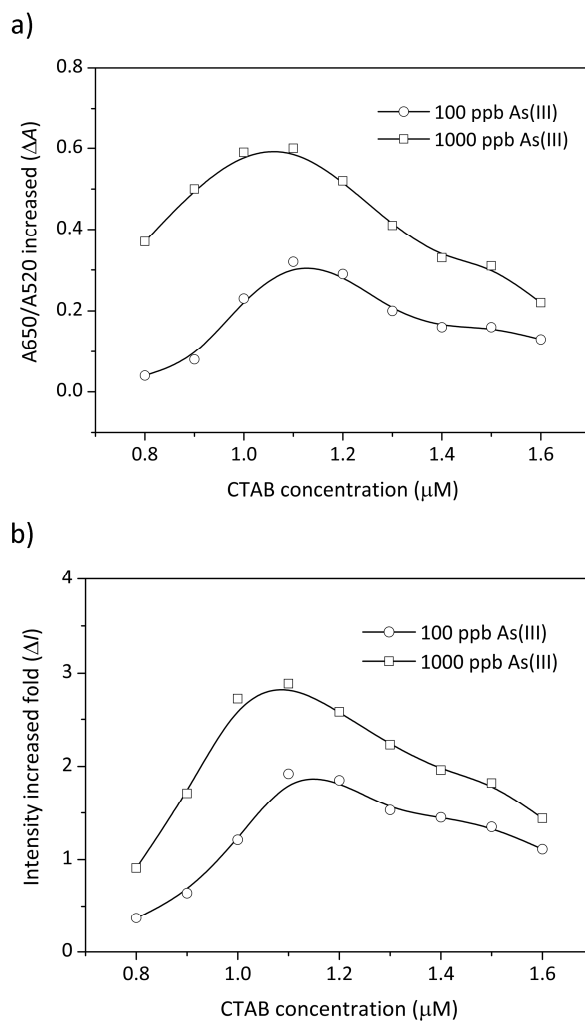


Fig. S1. Effect of CTAB concentrations on As(III) detection based on the colorimetric (a) and RS (b) assay. The concentration of Ars-3 aptamer was 7.5 nM.

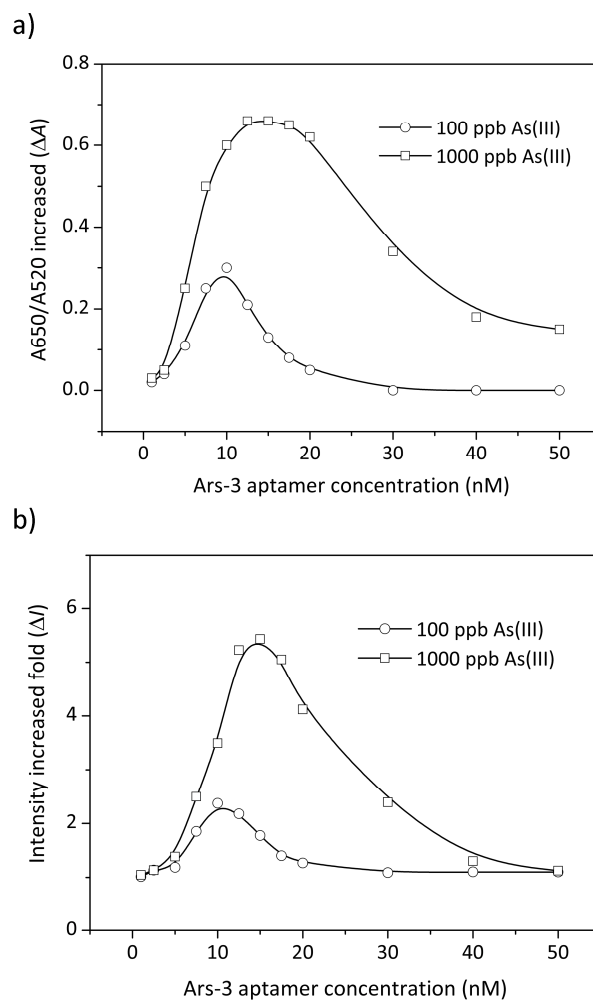


Fig. S2 Effect of Ars-3 aptamer concentrations on As(III) detection based on the colorimetric (a) and RS (b) assay. The concentration of CTAB was 1.1 M.

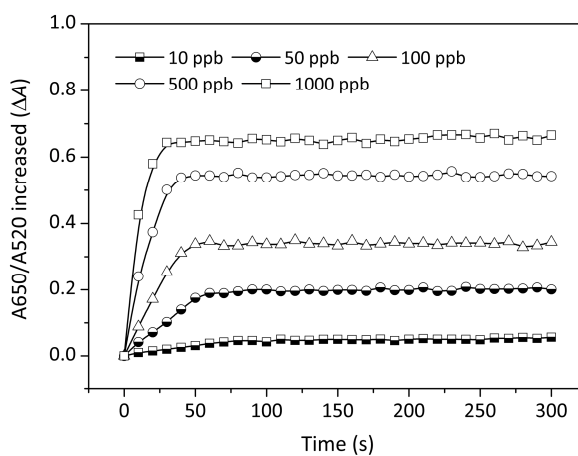


Fig. S3 Kinetics of the ΔA increases in the sensing solutions treated with different concentrations of As(III).