

Electronic Supplementary Information

Highly Selective Aptamer Based Ultrasensitive Nanogold Colorimetry-Smartphone Readout for Detection of Cd (II)

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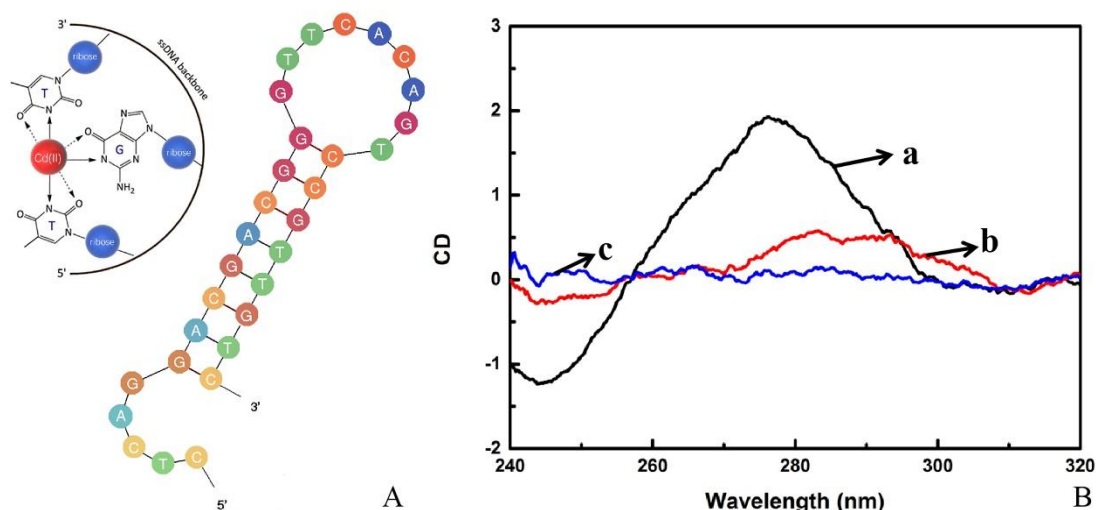


Figure S1 (A) Secondary structure of Cd (II) aptamer predicted using Mfold software. The part marked with red line had folded into a stem-loop structure. (B) CD spectra of (a) 10 μ M aptamer solutions, (b) 10 μ M aptamer and 50 μ g/mL Cd (II) solution, (c) 50 μ g/mL Cd (II) solution.

Table S1. Detection of Cd (II) in rice and drinking water

| Method | Rice(mg/kg) | Water(ng/mL) |
|------------------------|-------------|--------------|
| Nation Standard method | 0.488 | 15.969 |
| This method | 0.455 | 15.200 |