Supplementary Materials: A Portable Smart-Phone Readout Device for the Detection of Mercury Contamination Based on an Aptamer-Assays Nanosensor

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Most real-world systems consist of mixtures of heavy metal ions; therefore, we performed an experiment to detect the mixtures samples of Hg^{2+} and other ions. Interference effects of 50 ng/mL levels of various metal ions (Fe^{2+}, Ag^+ and Pb^{2+}) were added to 10 ng/mL Hg^{2+} solutions. The result demonstrates high selectivity using the smartphone-based microwell reader (MR S-phone) system (Figure S1).
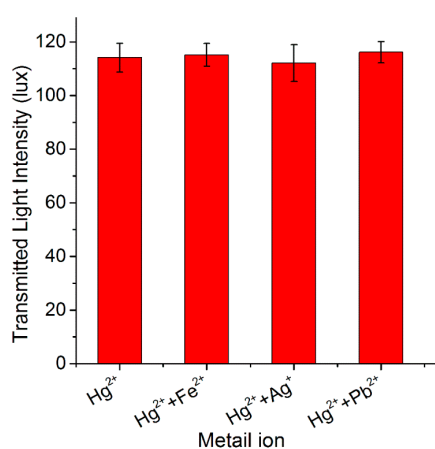

Figure S1. The selectivity of the smartphone-based microwell reader (MR S-phone) detection method.