

Oligonucleotide-Based Label-Free Hg^{2+} Assay with a Monomer-Excimer Fluorescence Switch

Yongxiang Wang, Fenghua Geng, Qianli Cheng, Huiying Xu, Maotian Xu*

Henan Key Laboratory Cultivation Base of Nanobiological Analytical Chemistry, College of
Chemistry and Chemical Engineering, Shangqiu Normal University, Shangqiu, 476000, China

Uv-vis Spectroscopic Experiment. Different concentration of Hg^{2+} (0, 0.1, 0.3, 0.5, 1, 3, 5 μM) was added to 2 mL PBS solutions containing 2.5 μM ThT and 5 μM MSD. After incubation for 1 min, the Uv-vis absorption spectra were recorded immediately.

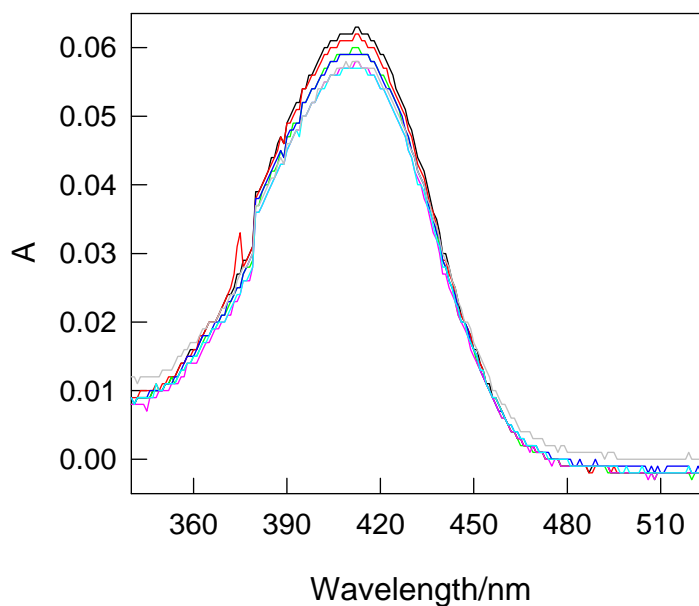


Figure S1. Effect of Hg^{2+} on the absorption spectra of *P*/ThT mixture.