

Supplementary data

Novel competitive-displacement fluorescent assay for L-Penicillamine based on reaction between target and N-acetyl-L-cysteine-capped CdTe quantum dots for copper ion

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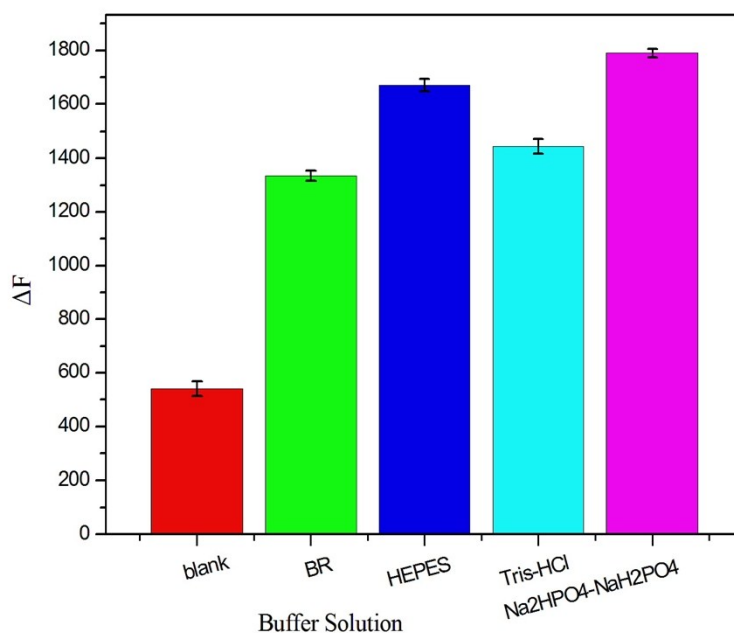


Figure S1. The choice of buffers kinds. NALC- CdTe QDs:100μL; Cu²⁺ : 4×10⁻⁷mol/L; L-PA:1×10⁻⁵mol/L in different buffers, respectively.

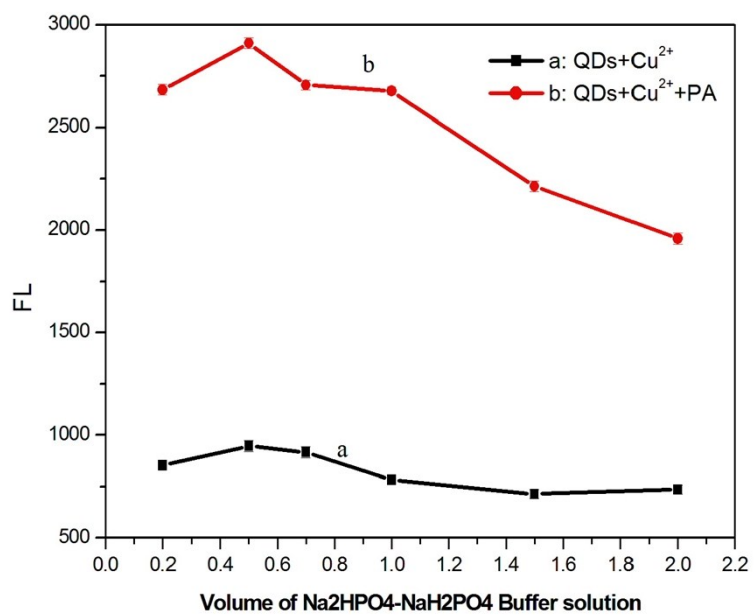


Figure S2. The effect of the volume of the buffer solution. NALC- CdTe QDs:100 μ L; Cu²⁺ : 4 \times 10⁻⁷mol/L; L-PA:1 \times 10⁻⁵mol/L in different valume of NaH₂PO₄ -Na₂HPO₄ buffers, respectively.