

Supporting Information

Ions-mediated self-assembly of Cys-capped quantum dots for fluorescent detection of As (III) in water†

Yingben Wu,^{a,†*} Yan Liu, ^{‡b} Huizhi Liu,^a Biao Liu,^a Wei Chen,^a Lijuan Xu,^a Jianbo Liu^{*b}

^a Hunan Province Microbiology Institute, Changsha, Hunan. 410009. P. R. China. Email: wuyingben@163.com.

^b State Key Laboratory of Chemo/Biosensing and Chemometrics, College of Chemistry and Chemical Engineering, Key Laboratory for Bio-Nanotechnology and Molecular Engineering of Hunan Province, Hunan University, Changsha, Hunan 410082, P. R. China. Email: liujianbo@hnu.edu.cn

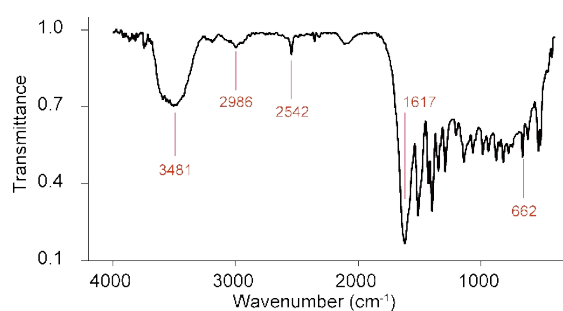


Figure S1. FTIR spectra of Cys-QDs showing L-cysteine capping.

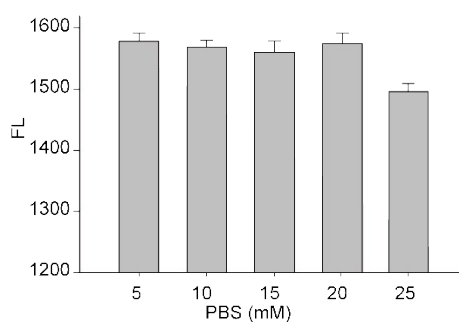


Figure S2. Fluorescent intensity of QDs at different concentration of PBS buffer (pH 7.4), [QDs]=60 nM.