

SUPPLEMENTARY INFORMATION

Gradient band gap engineered alloyed quaternary/ternary CdZnSeS/ZnSeS quantum dots: An ultrasensitive fluorescence reporter in a conjugated molecular beacon system for the biosensing of influenza virus RNA

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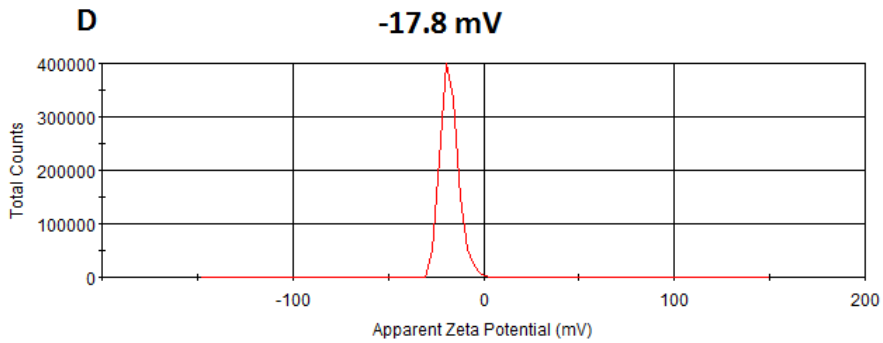
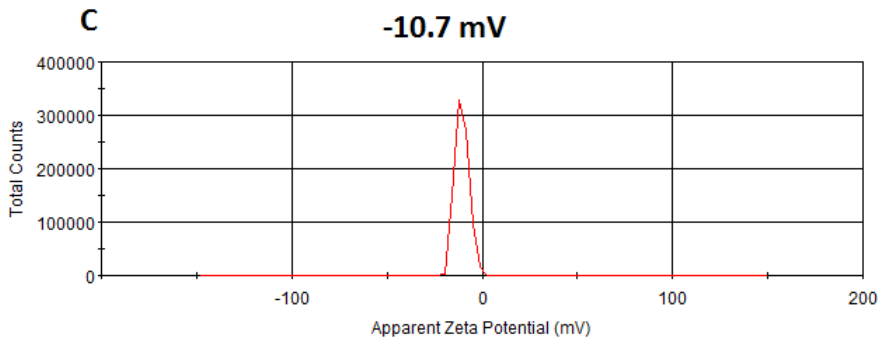
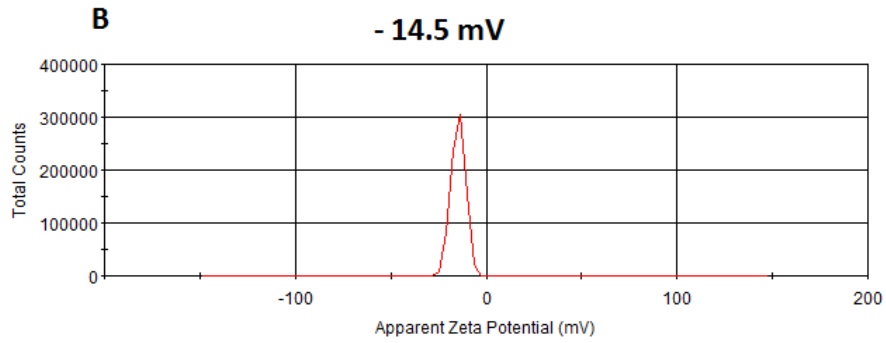
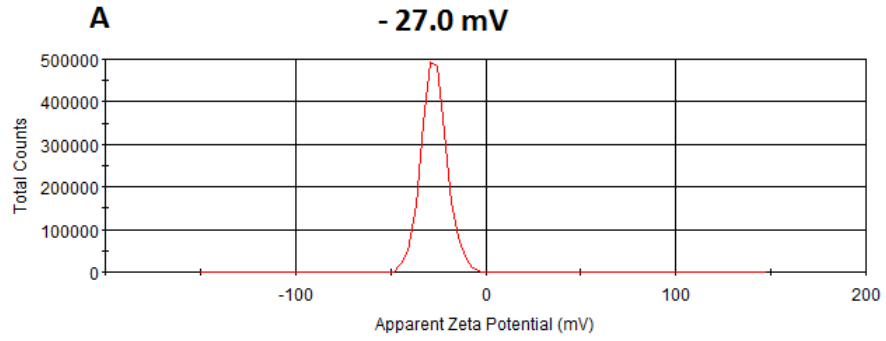
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Electronic supplementary information (ESI) available.



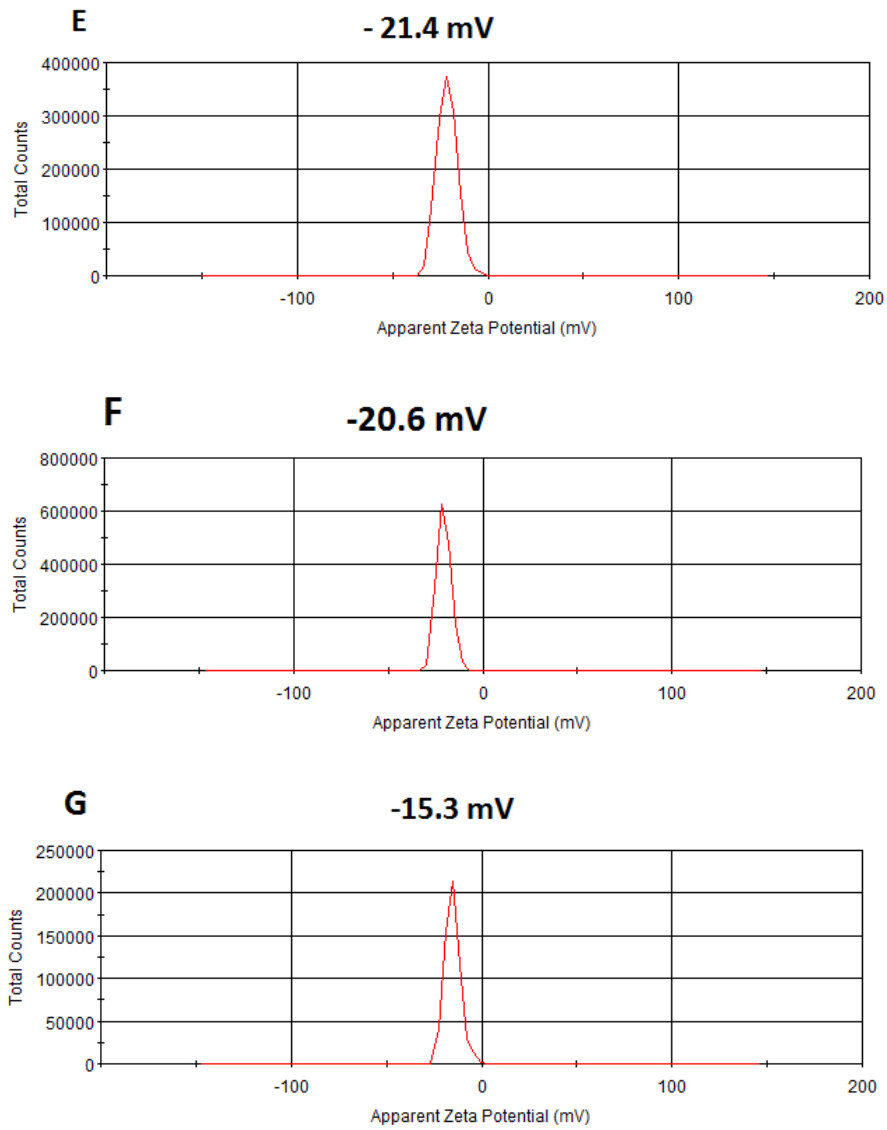


Fig. S-1. Zeta potential curves for alloy TGA-capped (A) CdZnSeS, (B) CdZnSeS/ZnSe_{1.0}S_{1.3}, (C) CdZnSeS/ZnSe_{1.0}S_{1.4}, (D) CdZnSeS/ZnSe_{1.0}S_{1.5}, (E) CdZnSeS/ZnSe_{1.0}S_{1.6}, (F) CdZnSeS/ZnSe_{1.0}S_{1.7} and (G) CdZnSeS/ZnSe_{1.0}S_{1.8} QDs.

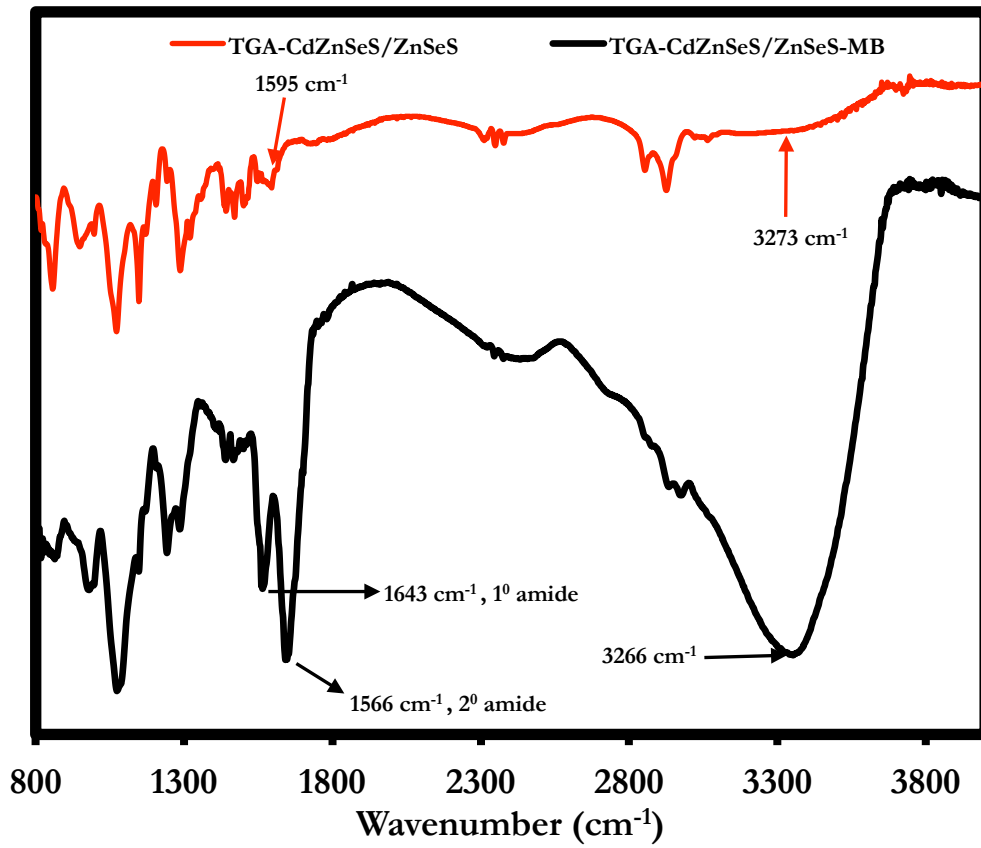


Fig. S-2. FT-IR spectra of the unconjugated QDs and the QD-MB bioprobe.