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Supporting Information

Highly Luminescent, Off-stoichiometric $Cu_xIn_yS_2$/ZnS Quantum Dots for Near-infrared Fluorescence Bio-imaging

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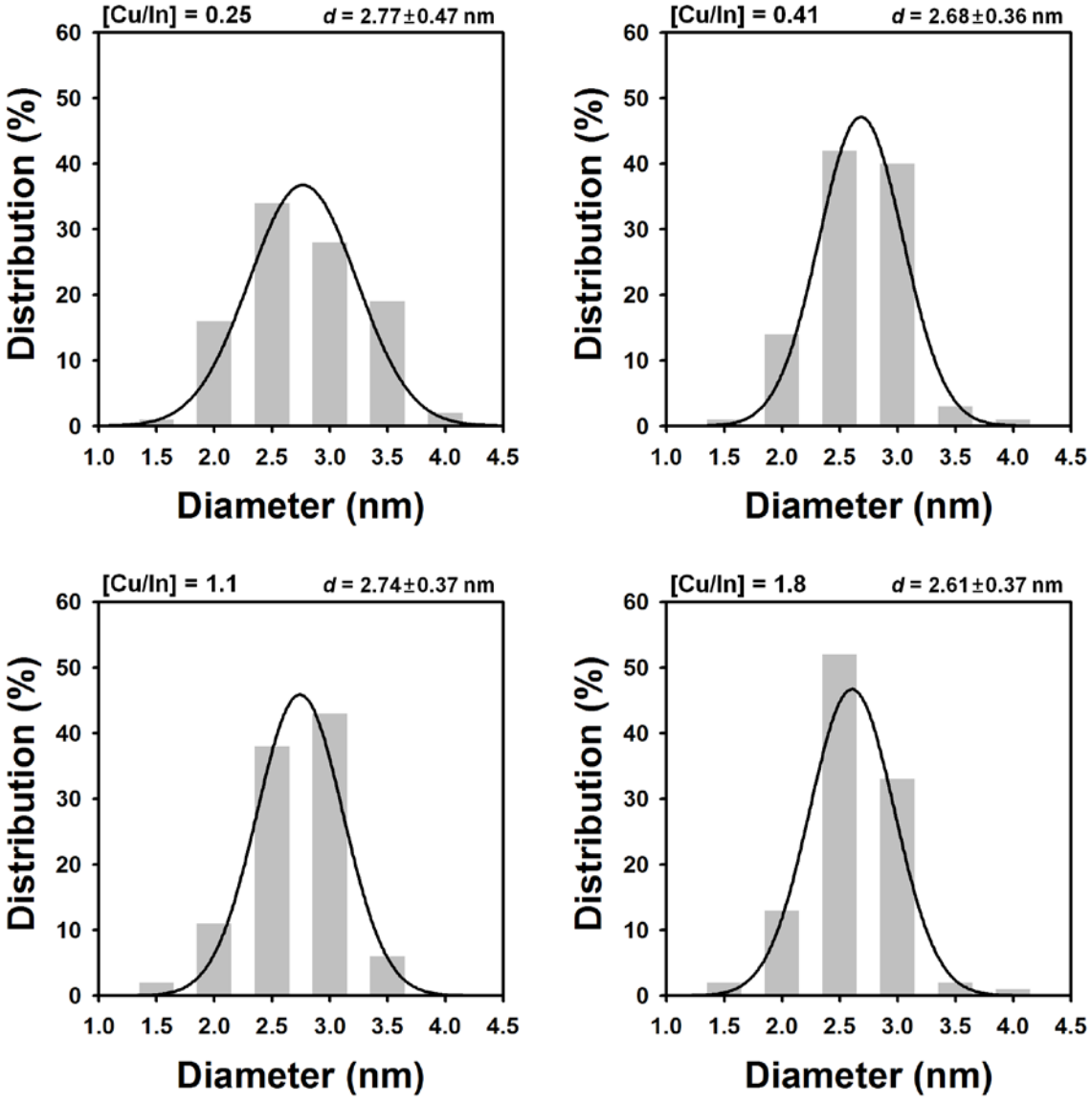

Figure S1. Size distribution histograms of the CIS QDs synthesized with different compositions.

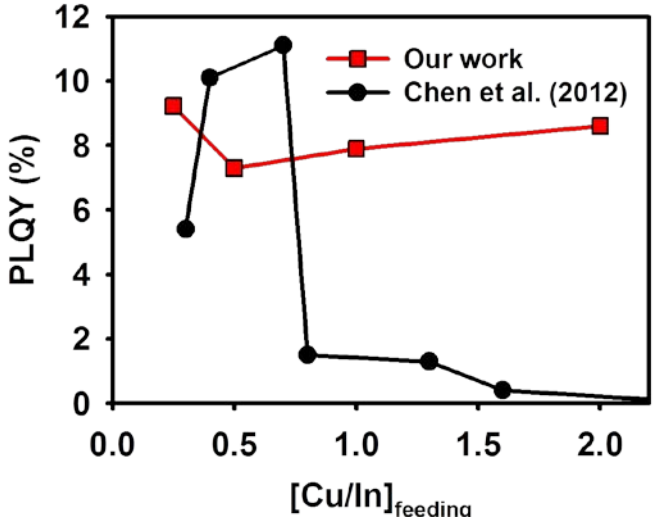

Figure S2. Comparison of **changes in the** PLQY of the CIS QDs as a function of Cu/In ratios: a previous work [23] (black) and our current results (red).

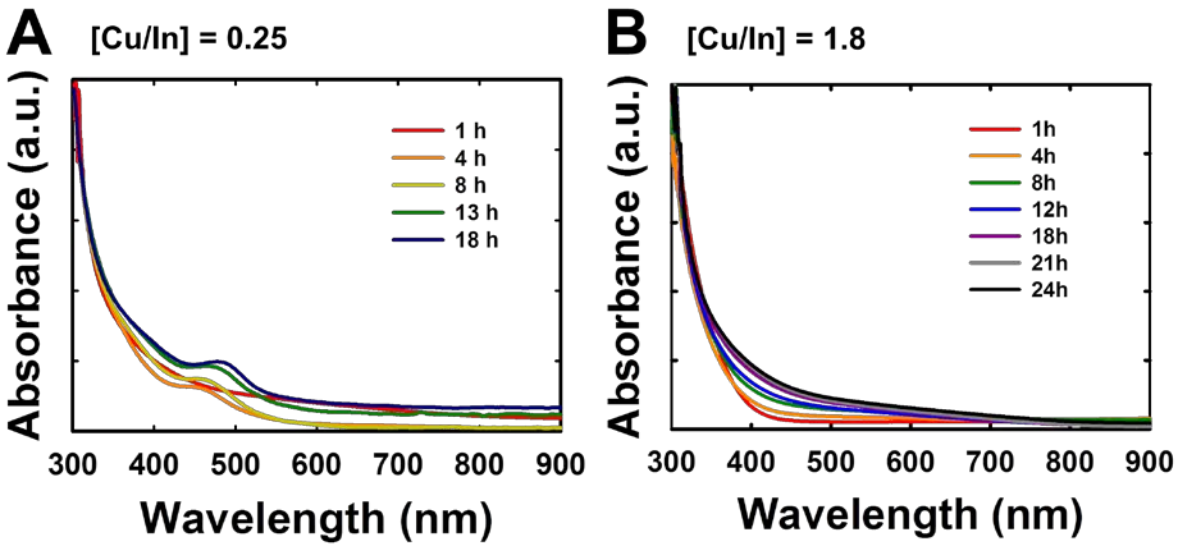

Figure S3. The original curve of variation of the absorption spectra of the CIS QDs as a function of synthesis time with Cu/In ratios of 0.25 (A) and 1.8 (B) at 180 ^{o}C.

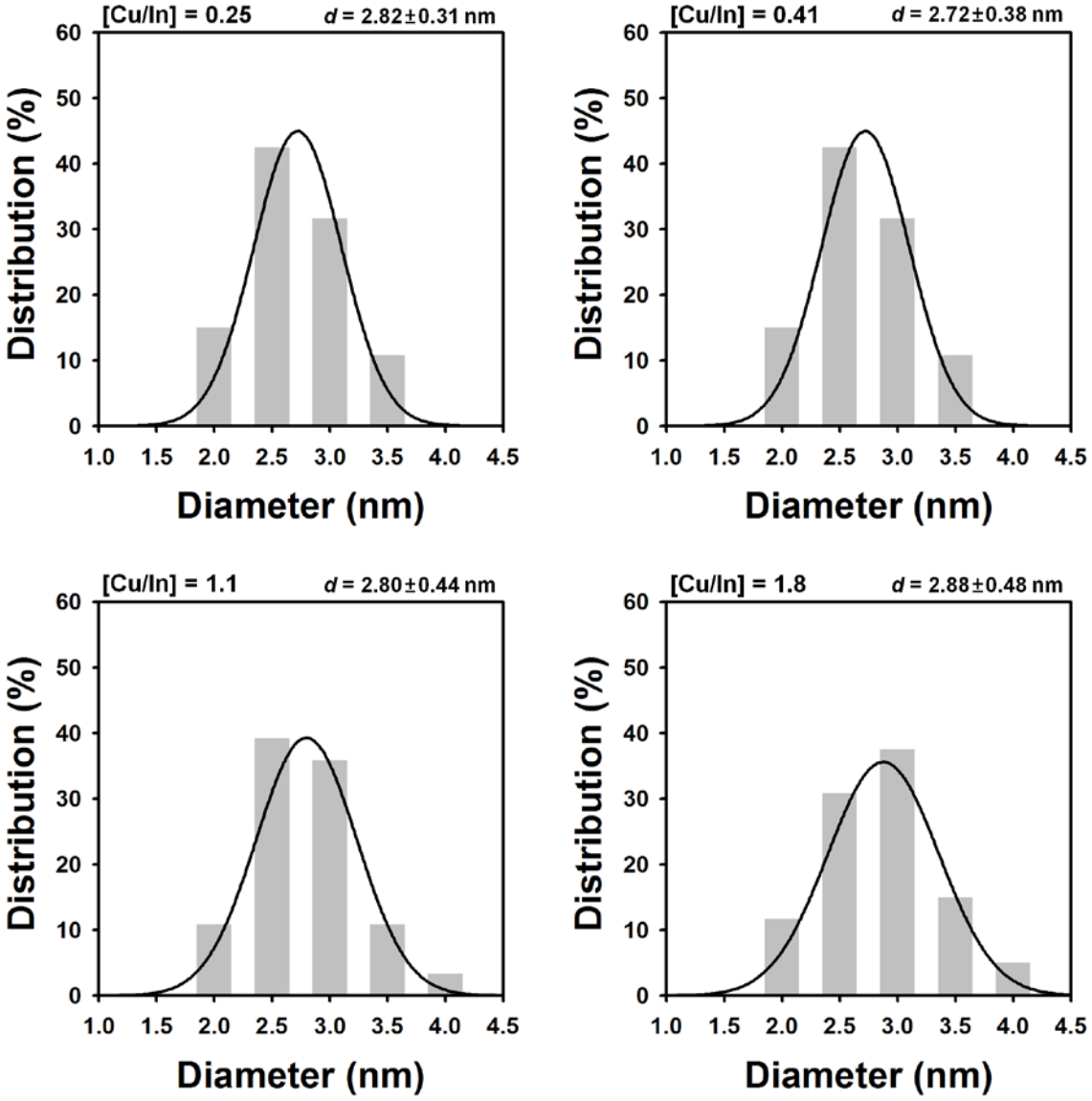

Figure S4. Size distribution histograms of the CIS/ZnS QDs synthesized with different compositions.

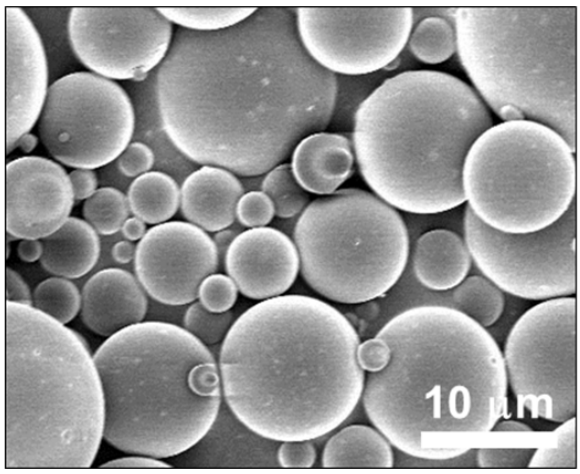

Figure S5. SEM image of the QD-loaded PMMA microspheres . QD-PMMA microspheres were implanted under thigh muscle by intramuscular injection.