Supporting Information (SI)

In vivo assessment of CdSe/ZnS quantum dots: coating dependent bioaccumulation and genotoxicity

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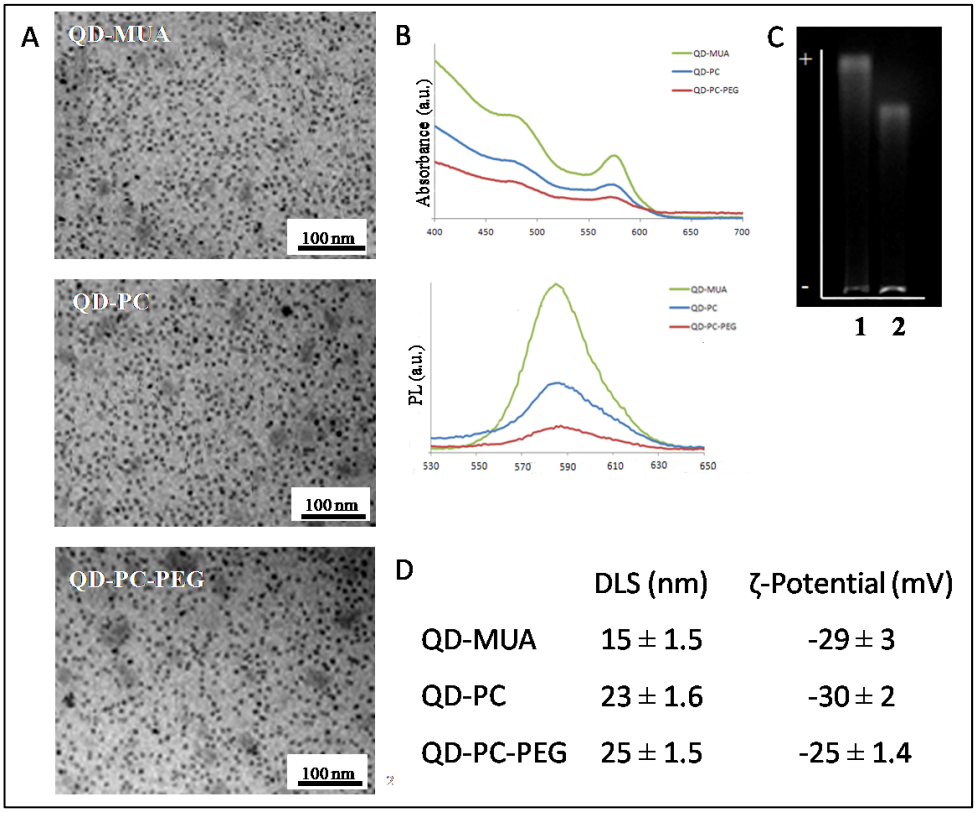

Figure S1. Physico-chemical characterization of differently coated QDs: (A) TEM analyses; (B) Absorption/emission spectra; (C) Comparative gel electrophoresis migration patterns of the QDs after each synthetic step: 1. QD–PC, 2. QD-PC-PEG; (D) Dynamic light scattering and ζ-potential data.

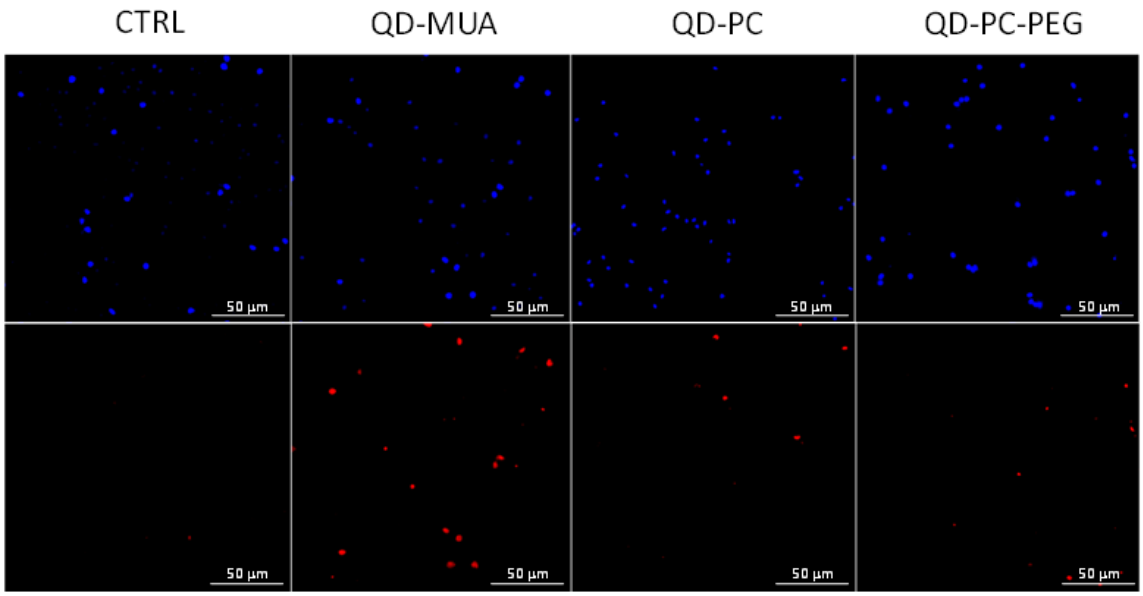

Figure S2. Representative confocal microscopy images of *Drosophila* haemocytes in flies treated with the differently coated QDs. Nuclei are stained with Hoechst 33342 (blue) while cells containing DNA strand nicks are detected by TUNEL assay and fluoresce red.

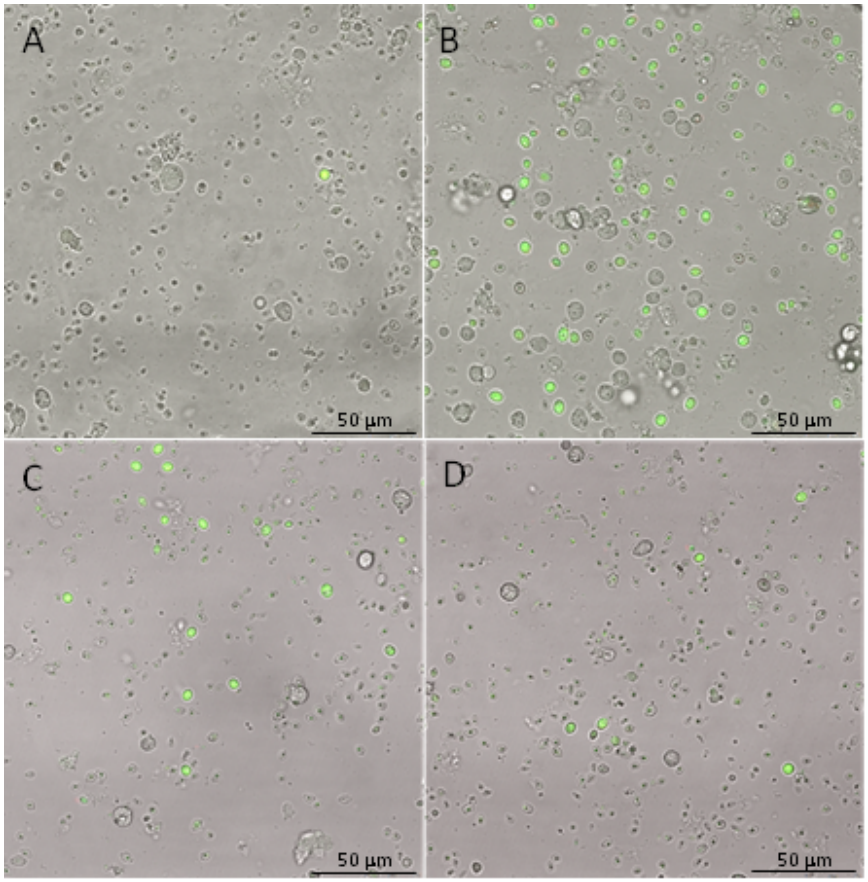

Figure S3. Representative confocal microscopy images of *Drosophila* haemocytes in flies treated with the differently coated QDs. Annexin V positive cells are stained in green. (A) CTRL; (B) QD-MUA; (C) QD-PC; (D) QD-PC-PEG.