

Supporting Information

Doxorubicin-wrapped zinc oxide nanoclusters for the therapy of colorectal adenocarcinoma

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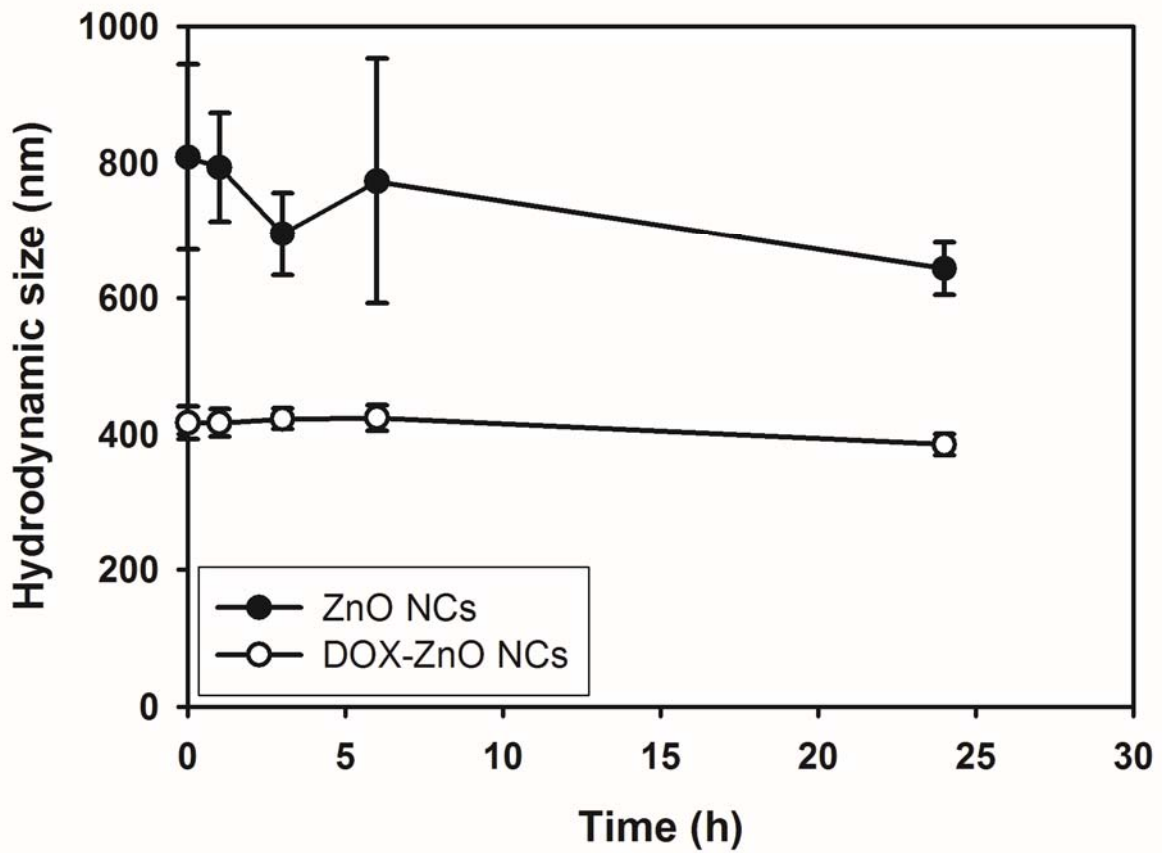


Figure S1. Stability of NCs in serum media. Hydrodynamic size profiles of ZnO NCs and DOX-ZnO NCs, according to the incubation time, are presented. Each point indicates the mean \pm SD ($n = 3$).

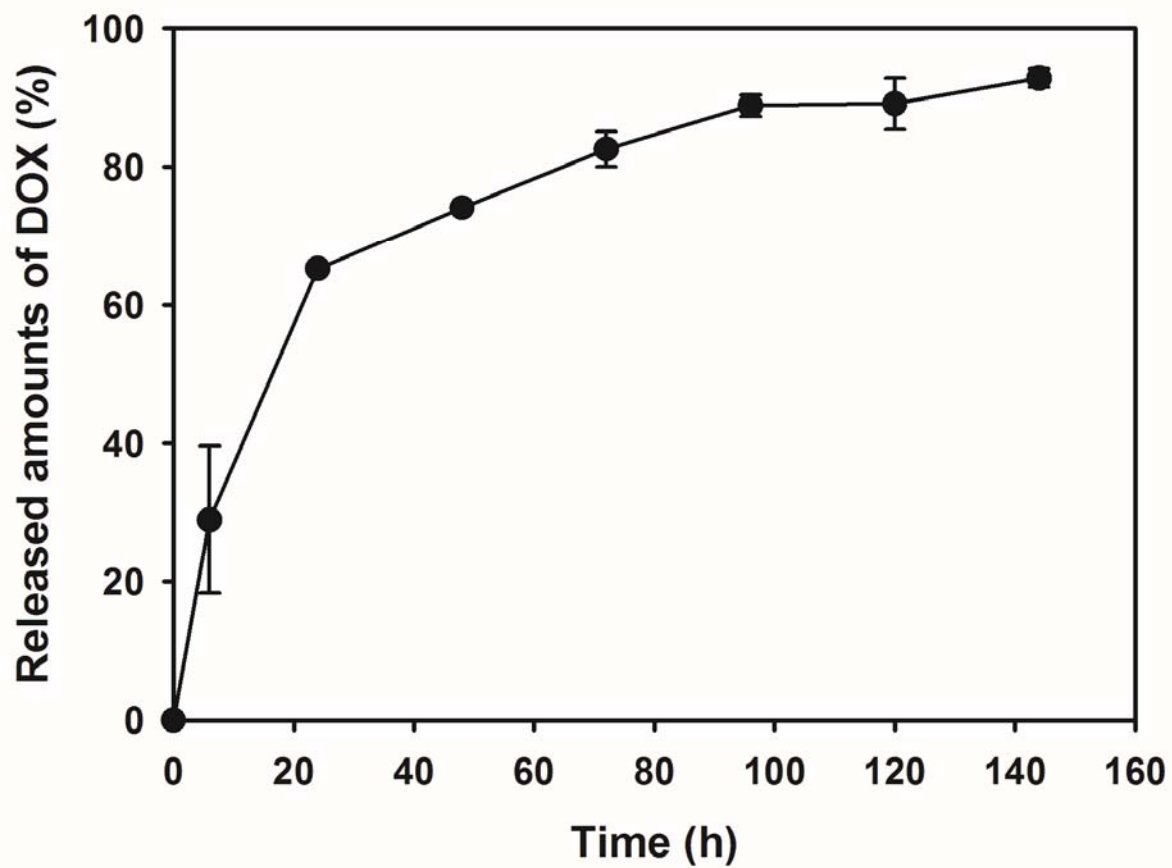


Figure S2. Release profile of DOX from DOX-ZnO NCs at pH 5.5. The released amounts (%) of DOX according to the incubation time are plotted. Each point indicates the mean \pm SD ($n = 3$).

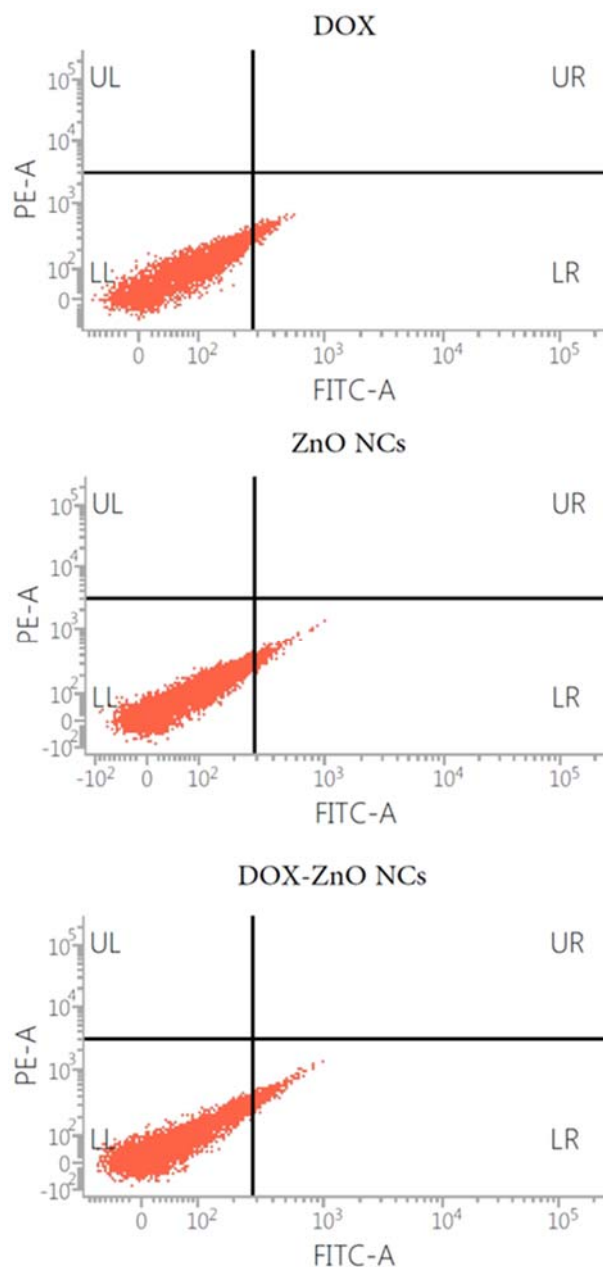


Figure S3. Measurement of ROS levels after treatment of DOX, ZnO NCs, and DOX-ZnO NCs in Caco-2 cells. Cell population diagrams, according to the intensity of DCFH (FITC-A) and PI (PE-A), of DOX, ZnO NCs, and DOX-ZnO NCs are presented. UL, LL, LR, and UR indicate upper left, lower left, lower right, and upper right, respectively.