

Supporting Information

Metal-Organic Framework/Graphene Quantum Dots Nanoparticles Used for Synergistic Chemo-Photothermal Therapy

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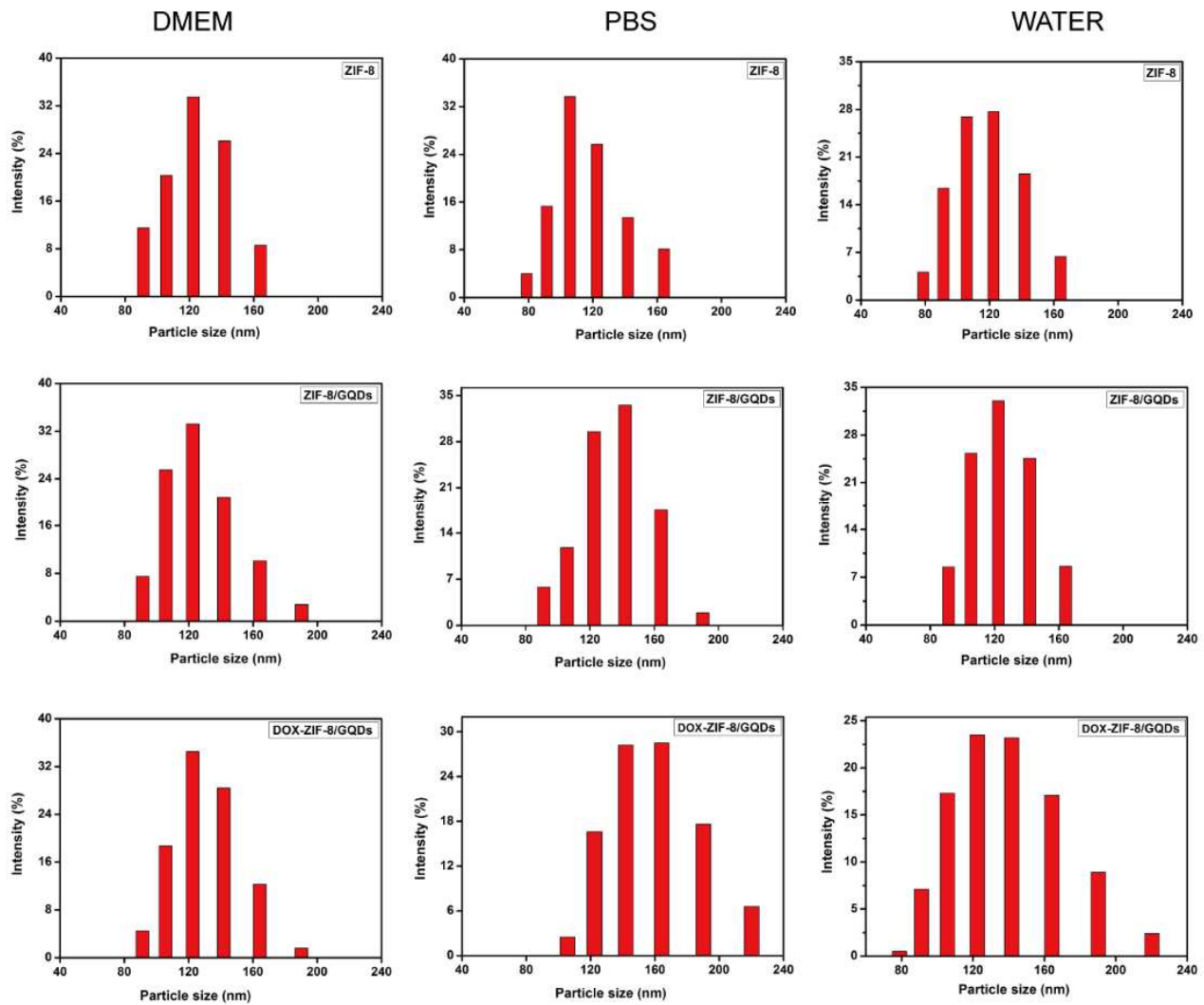


Figure S1 The particle size distributions of the ZIF-8, ZIF-8/GQDs and DOX-ZIF-8/GQDs nanoparticles in water, PBS and culture medium (Dulbecco's Modified Eagle Medium, DMEM) measured by dynamic laser scattering (DLS).

Table S1 the average particle sizes of the ZIF-8, ZIF-8/GQDs and DOX-ZIF-8/GQDs nanoparticles in water, PBS and DMEM.

Samples	DMEM (nm)	PBS (nm)	Water (nm)
ZIF-8	111.1±7.3	112.6±5.3	111.9±6.4
ZIF-8/GQDs	120.3±5.3	123.8±8.2	119.8±7.6

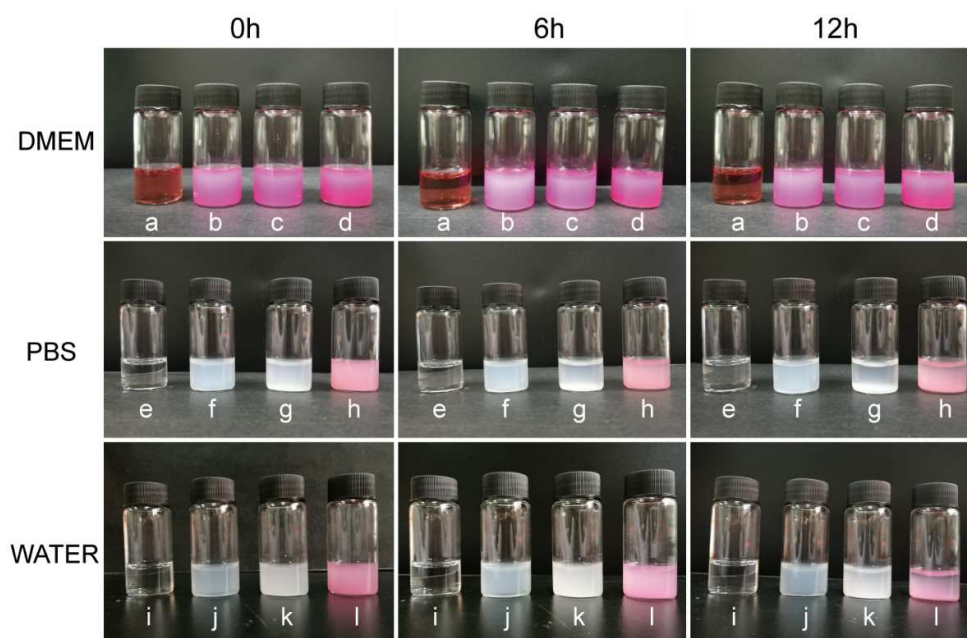


Figure S2 photograph of the suspensions of the ZIF-8, ZIF-8/GQDs and DOX-ZIF-8/GQDs nanoparticles in water, PBS and DMEM after statically placing for 6 and 12 h. (a: DMEM; b: ZIF-8 in DMEM; c: ZIF-8/GQDs in DMEM; d: DOX-ZIF-8/GQDs in DMEM; e: PBS; f: ZIF-8 in PBS; g: ZIF-8/GQDs in PBS; h: DOX-ZIF-8/GQDs in PBS; i: water; j: ZIF-8 in water; k: ZIF-8/GQDs in water; l: DOX-ZIF-8/GQDs in water)

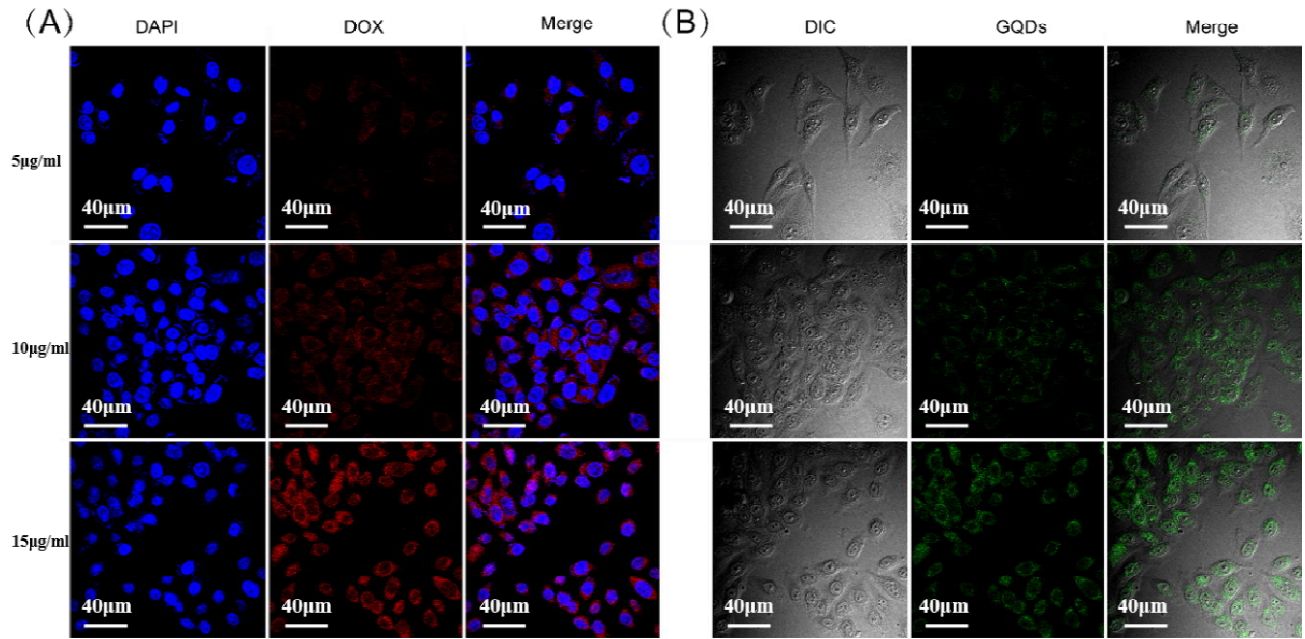


Figure S3 Confocal microscope images of 4T1 cells after 2 h incubation with the DOX-ZIF-8/GQDs nanoparticles at the concentrations of 5, 10 and 15 µg/ml. (A) is for DAPI and DOX channels and (B) is for DIC and GQDs channels.

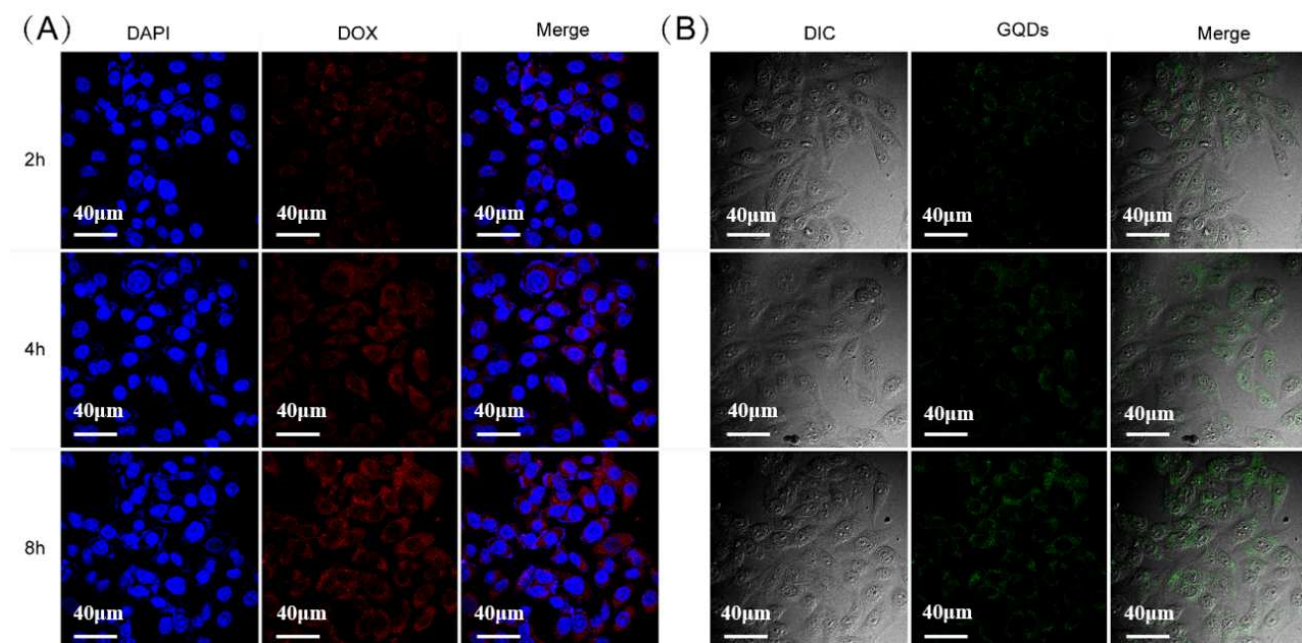


Figure S4 Confocal microscope images of 4T1 cells after 2, 4 and 8 h incubation with the DOX-ZIF-8/GQDs nanoparticles at a concentration of 10 μg/ml. (A) is for DAPI and DOX channels and (B) is for DIC and GQDs channels.