

The Multifunctionally Graded System for a Controlled Size Effect on Iron Oxide–Gold Based Core-Shell Nanoparticles

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Figure S2. Relationship between the percentage released after applying HFME for 20 min.

Table S1. The IC50 of Fe₃O₄@Au-dsDNA/DOX for HeLa and MCF-7 cells.

| Diameter (nm) | IC50-HeLa Cell (μM) | IC50-MCF-7 Cell (μM) |
|---------------|---------------------|----------------------|
| 25.9 | 1.6 | 1.3 |
| 33.1 | 1.3 | 1.0 |
| 39.5 | 1.4 | 1.1 |
| 47.7 | 1.3 | 1.1 |
| 59.5 | 1.6 | 1.2 |

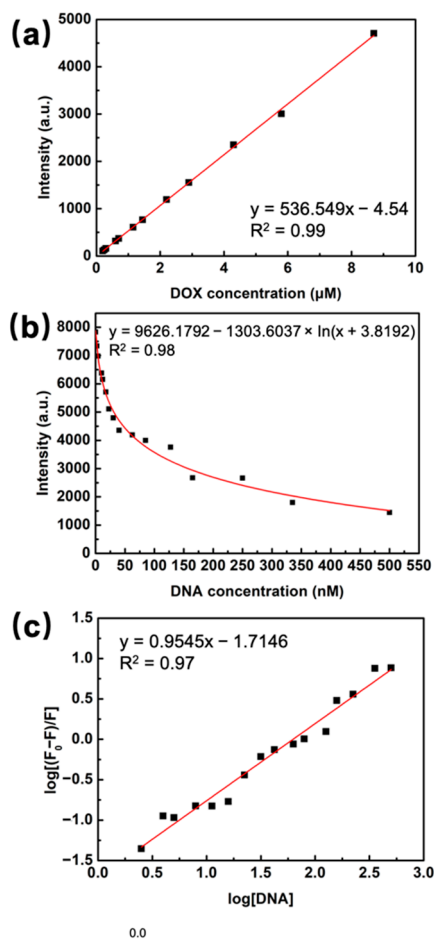


Figure S1. (a) Calibration curve of the fluorescence intensity as a function of the DOX concentration. (b) Calibration curve of the DOX fluorescence intensities as a function of the DNA concentrations. (c) The plot of $\log(F_0 - F)/F$ as a function of $\log[DNA]$ was used to calculate the number of bound DOX molecules (n) per DNA.

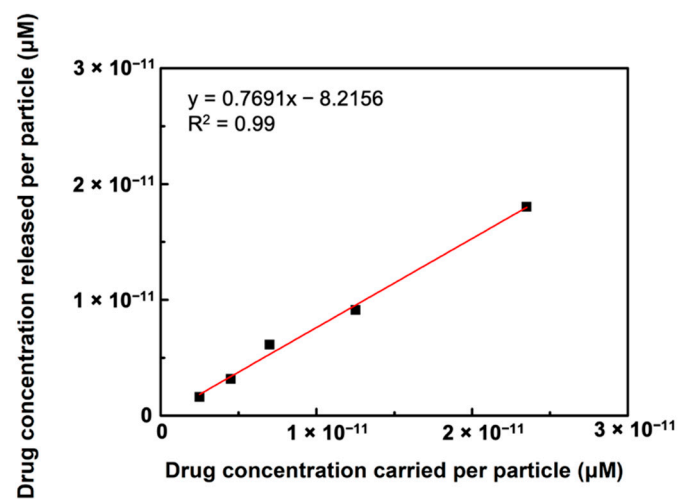


Figure S2. Relationship between the percentage released after applying HFME for 20 min.