

Electrochemical Synthesis of Multicolor Fluorescent N-doped Graphene Quantum Dots as a Ferric ion Sensor and their Application of Bioimaging

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Figure S1. Effect of pH on N-GQDs fluorescent property.

Figure S2. Cell viability analysis of HeLa cells under different N-GQDs concentrations using CCK-8 assay.

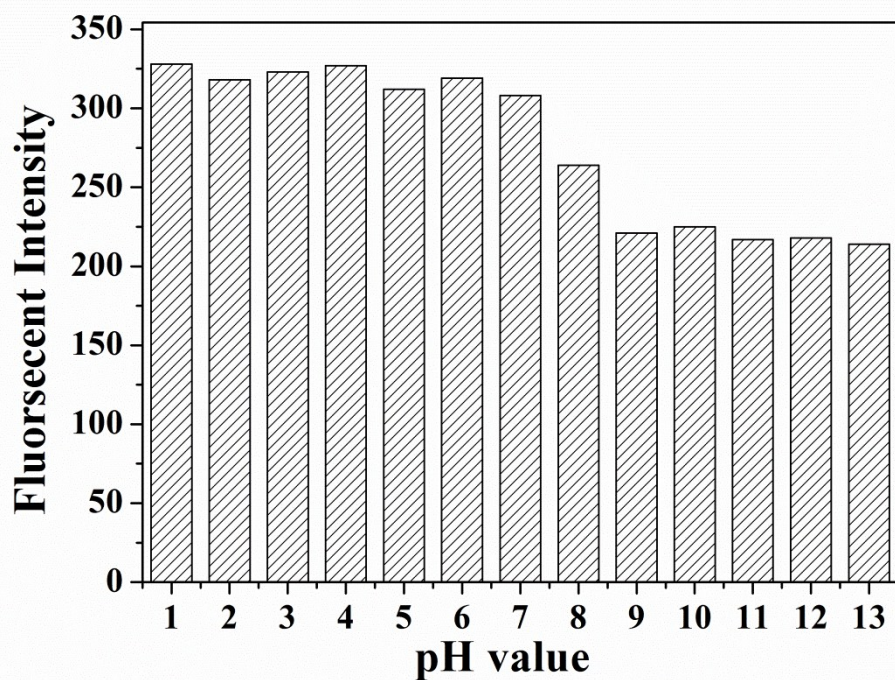


Fig. S1 Effect of pH on N-GQDs fluorescent property.

To apply the N-GQDs in complex environments, the stability was tested at different pH values. As shown in Fig. S1, the fluorescent intensity varies with perturbation in different pH values. The fluorescent intensity of the N-GQDs remained almost steady from pH 1.0 to pH 7.0 and decreased dramatically after pH change from 7.0 to pH 9.0. Moreover, when pH >9.0, it can be seen that the fluorescence intensity decreased to a low level and remained stable.

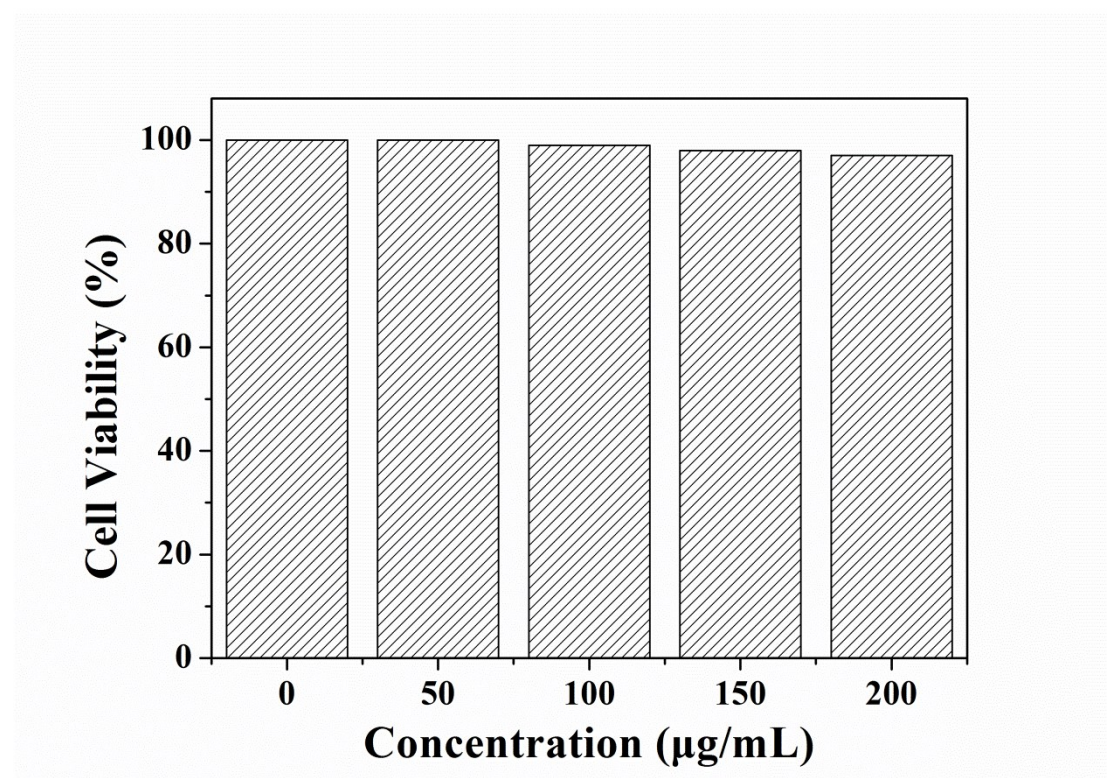


Fig. S2 Cell viability analysis of HeLa cells under different N-GQDs concentrations using CCK-8 assay.