

**Supporting Information**  
**for**  
**Synthesis and functionalization of**  
**NaGdF<sub>4</sub>:Yb,Er@NaGdF<sub>4</sub> core–shell nanoparticles for**  
**possible application as multimodal contrast agents**

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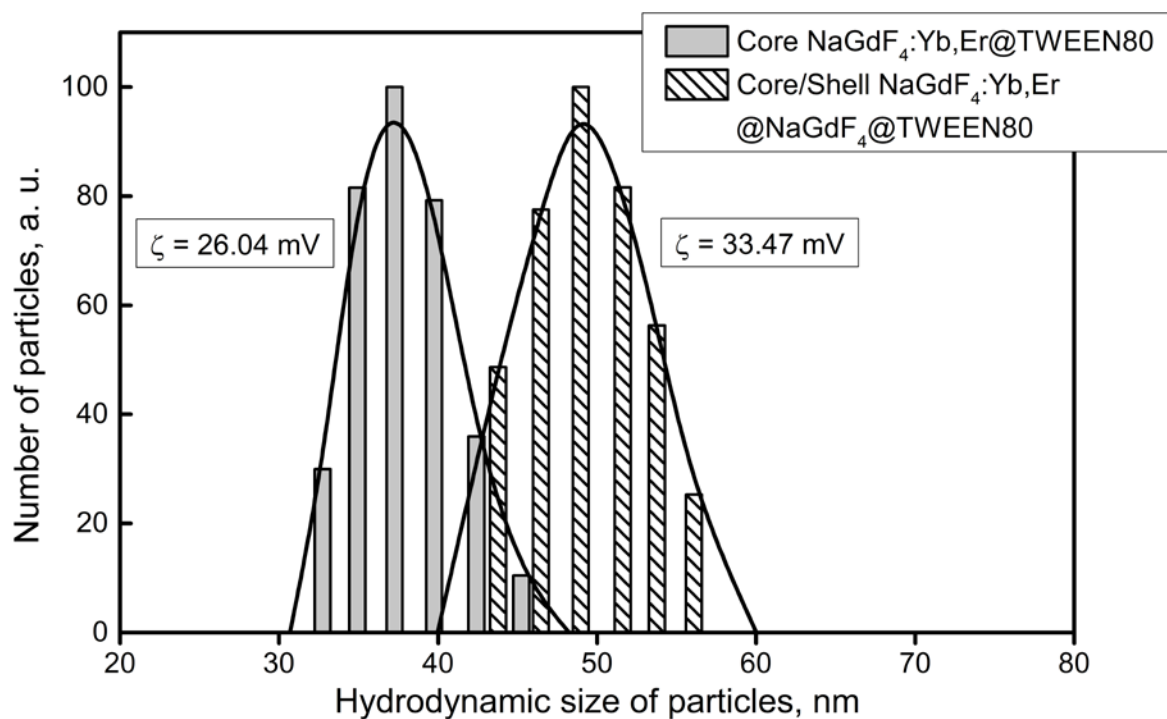
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**The hydrodynamic particle size and zeta potential**



**Figure S1:** Hydrodynamic size distribution of core-only and core-shell UCNPs and their zeta potential in the cell culture medium.