

Electronic Supplementary Information

Multicolor Core/Shell Silica Nanoparticles for *in vivo* and *ex-vivo* Imaging

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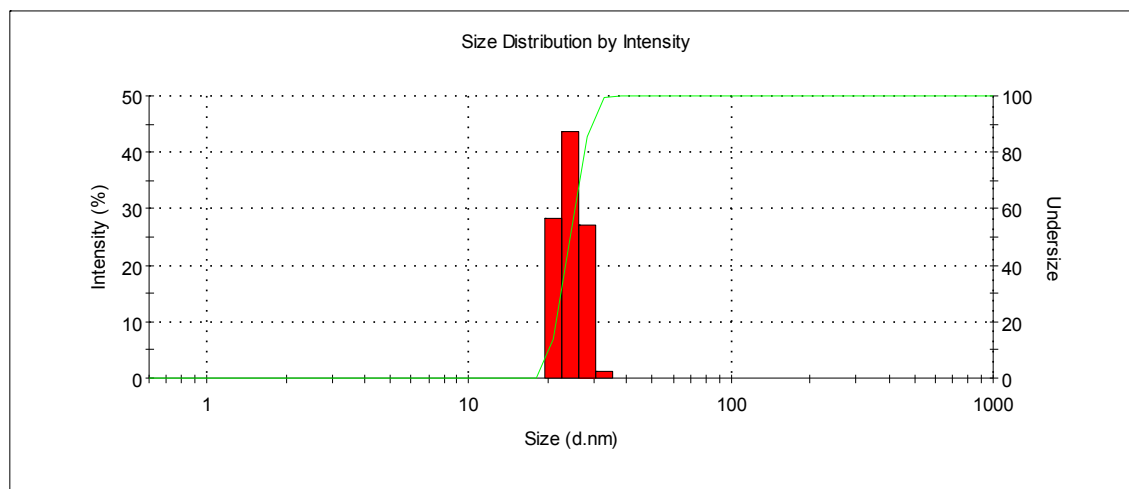


Figure S1. DLS size distribution of core-shell silica-PEG N_{C+R} ([N_{C+R}] = 5x10⁻⁸M), d_H = 25 nm (PDI=0.03) (PBS 1X, pH 7.4, 25°C).

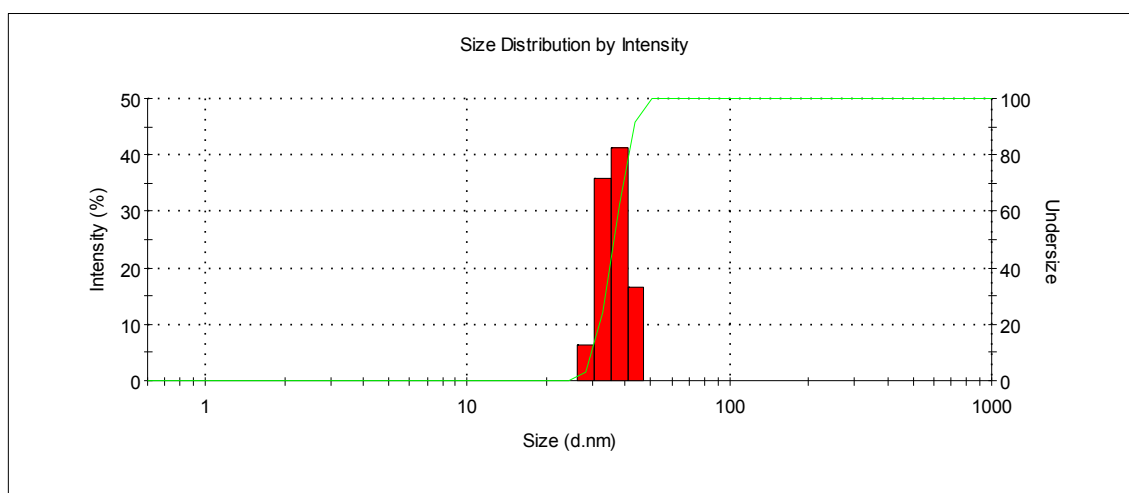


Figure S2. DLS size distribution of a filtered solution (regenerated cellulose, 0.20 μm) of **QDs800** non-targeted quantum dots (5x10⁻⁸M), d_H=36 nm (PDI 0.04) (PBS 1X, pH 7.4, 25°C).

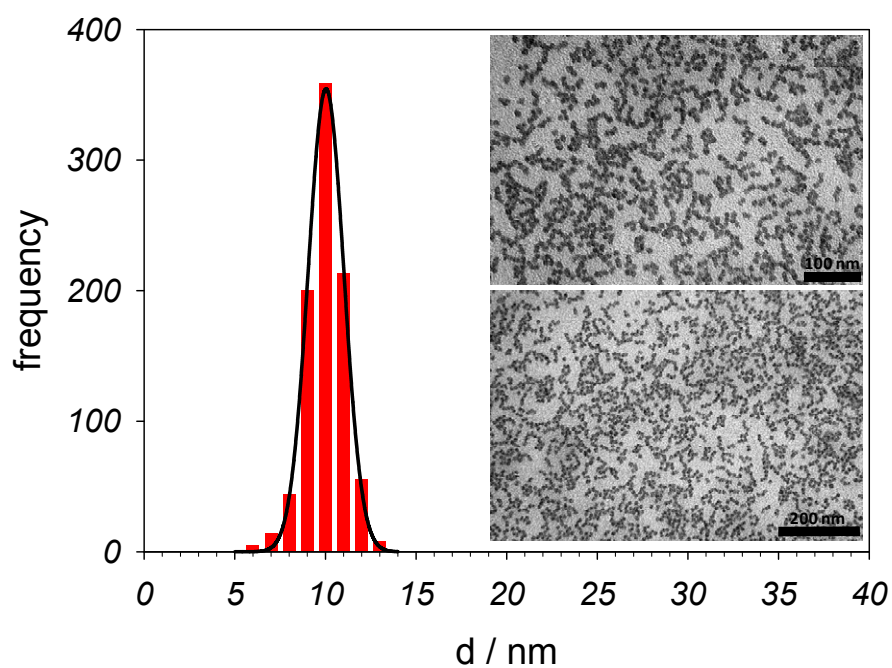


Figure S3 Size distribution of core-shell silica-PEG NPs N_{C+R} , $d_C = (11 \pm 3)$ nm, and TEM pictures evidencing the nanoparticles silica core.

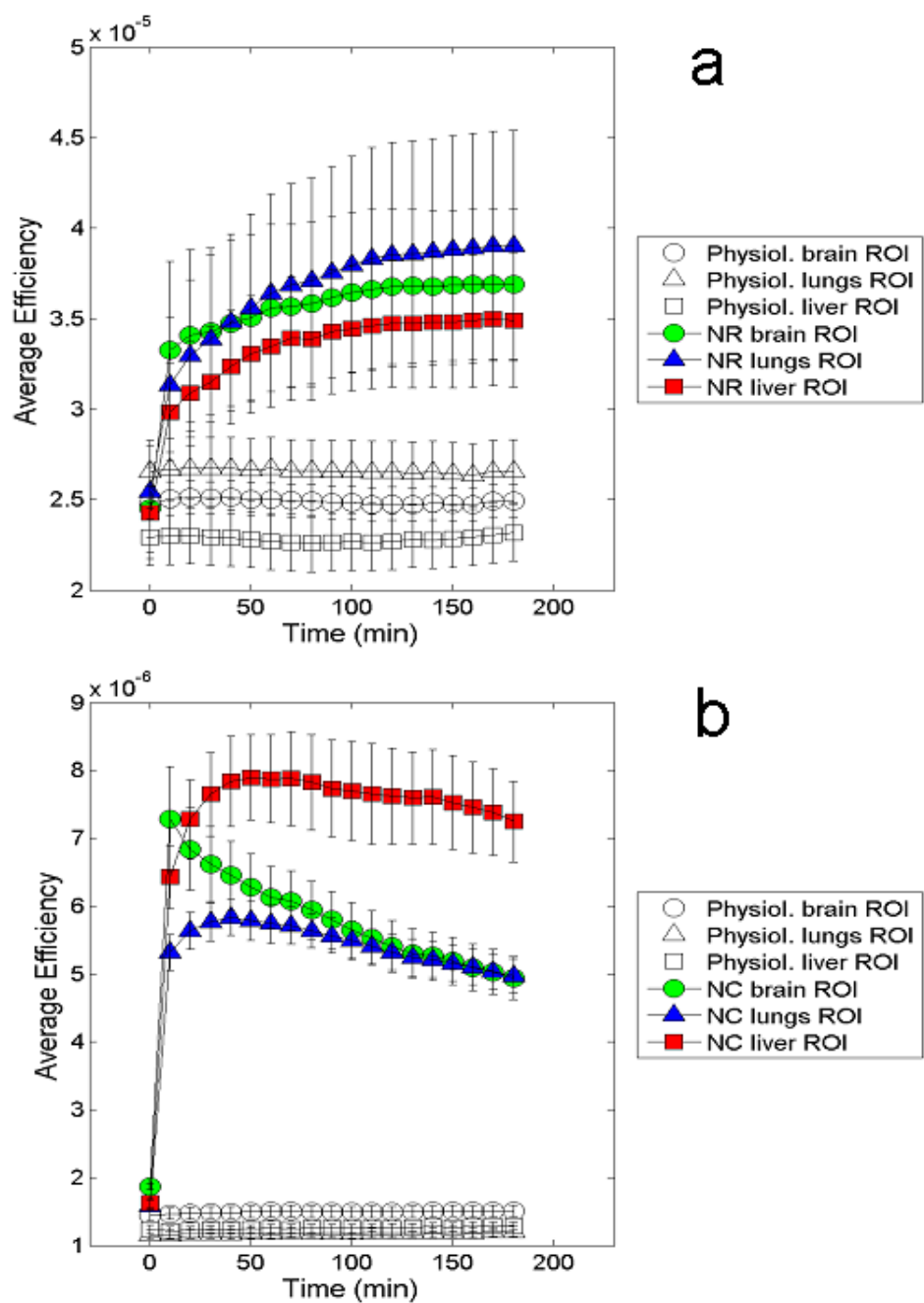


Figure S4 Average efficiency measured in the brain, liver and lungs ROIs before and after injection of NPs: NR imaged with DsRed/DsRed filters (panel a), NC imaged with ICG/ICG filters (panel b).