

Supporting Information

Multifunctional gold coated thermo-sensitive liposomes for multimodal imaging and photo-thermal therapy of breast cancer cells

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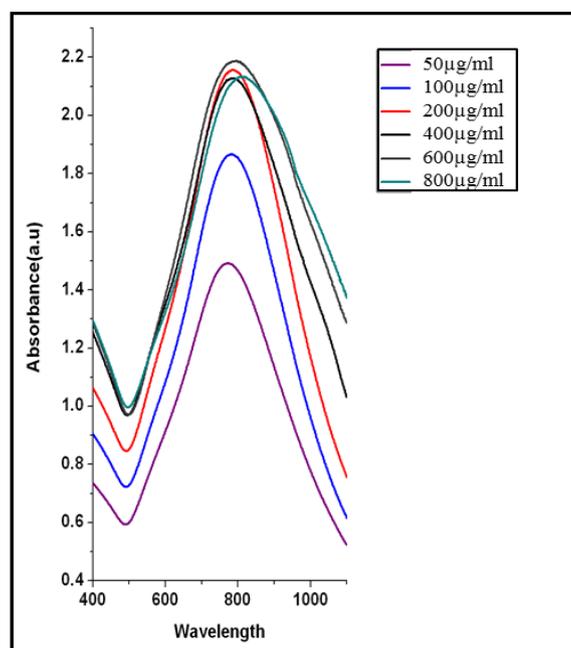
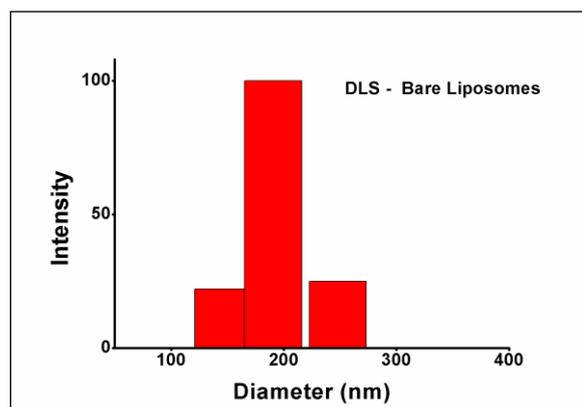
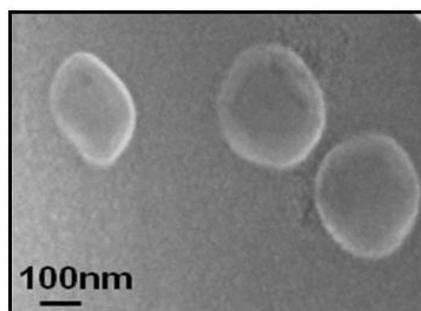


Fig. S1. Optimization of Lipid concentration with respect to fixed concentrations of HAuCl_4 (5 mM) and ascorbic acid (20mM). The absorbance was saturated at 200 - 400µg/ml of lipid concentration.

a)



b) LIPOSOME FEG-SEM



c) LIPOSOME FEG-TEM

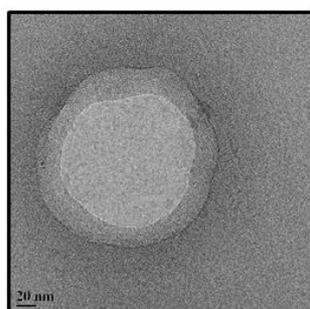


Fig. S2. Liposome (DSPC : CHOL/8:2 wt%) a) DLS graph, b) FEG-SEM and c) FEG TEM images.

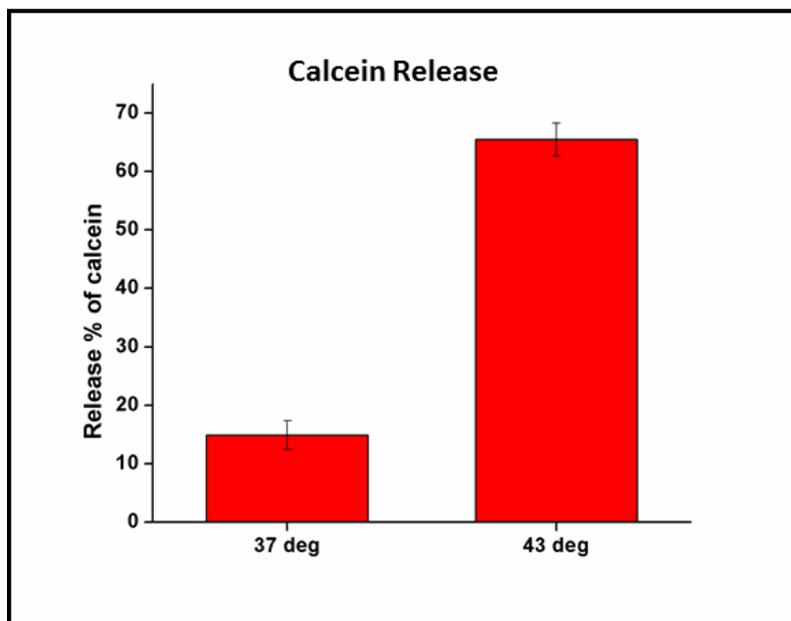


Fig. S3. Thermo-sensitive model drug (calcein) release experiment (from DSPC: CHOL liposomes) at 37 ° C and 43 ° C (water bath mediated- 30 min duration).

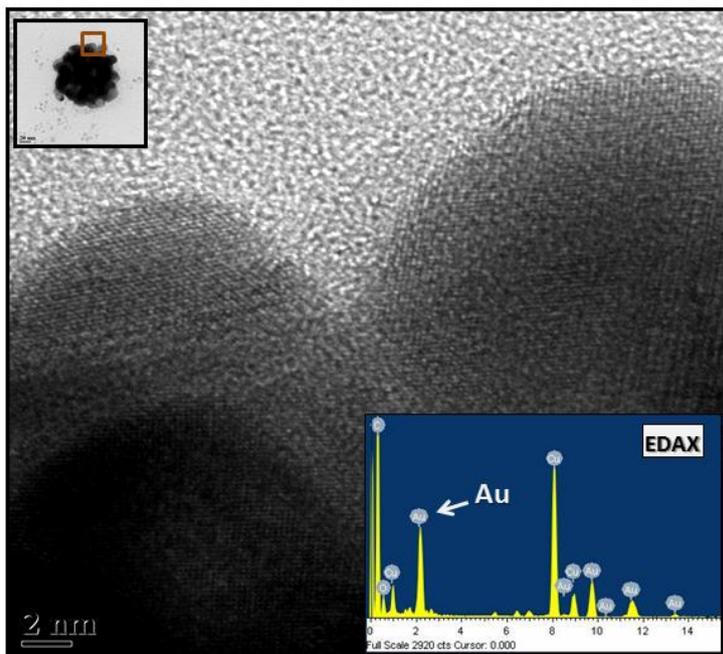


Fig. S4. HR TEM image of Lipos Au NP with confirmation of Au in EDAX.

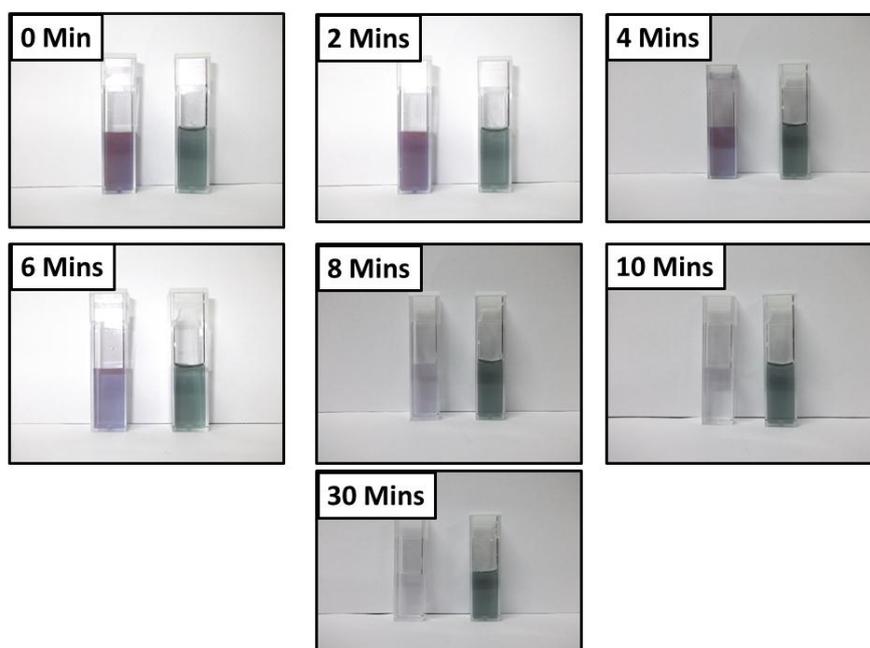


Fig. S5. Bright field images of HAuCl₄ Sol. reduced by ascorbic acid in the absence/presence of liposome template sol. (left and right cuvettes respectively) at varying time periods (0 to 30 min) denoting stability of Lipos Au NPs.