**Supporting Information**

# Green synthesis of gold nanoparticles using glycerol incorporated nanosized liposomes

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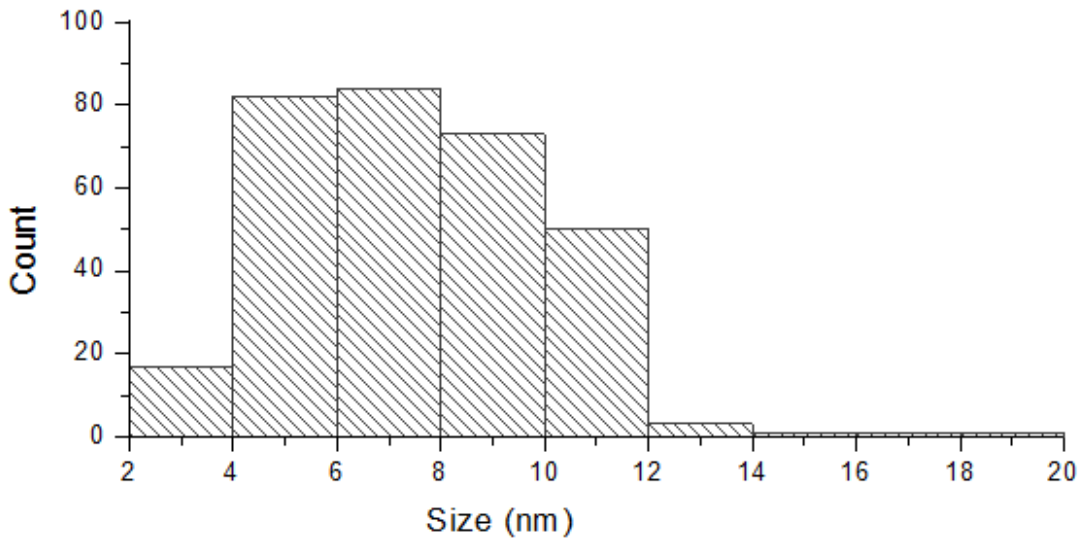


**Figure S1**. Size distribution of the gold nano particles synthesized using solution based synthesis method in the presence of constant concentrations of glycerol and capping agent, MCH, after 24 hr of incubation at 25 $^{o}$C subsequent to the pH jump.

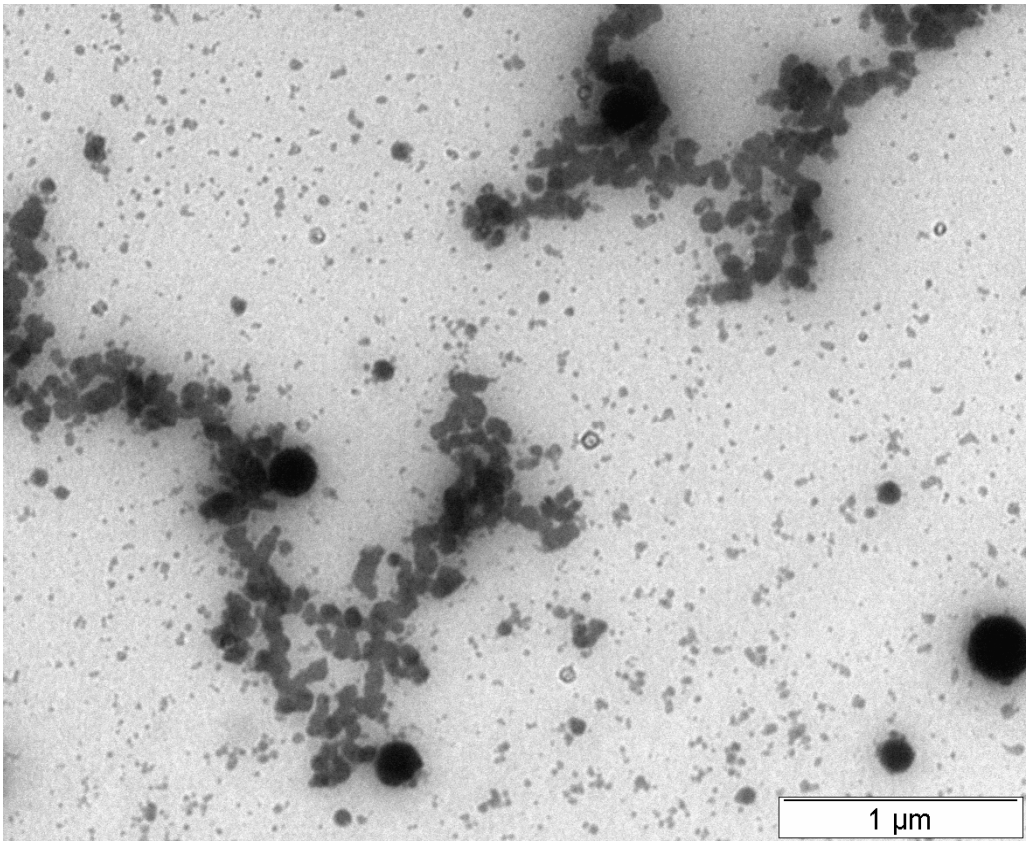


**Figure S2**. TEM images of gold aggregates formed after stirring $HAuCl_4$ with MCH in the absence of glycerol in PBS (10 mM, pH 7.4) for 24 hours at 25 $^{o}$C.