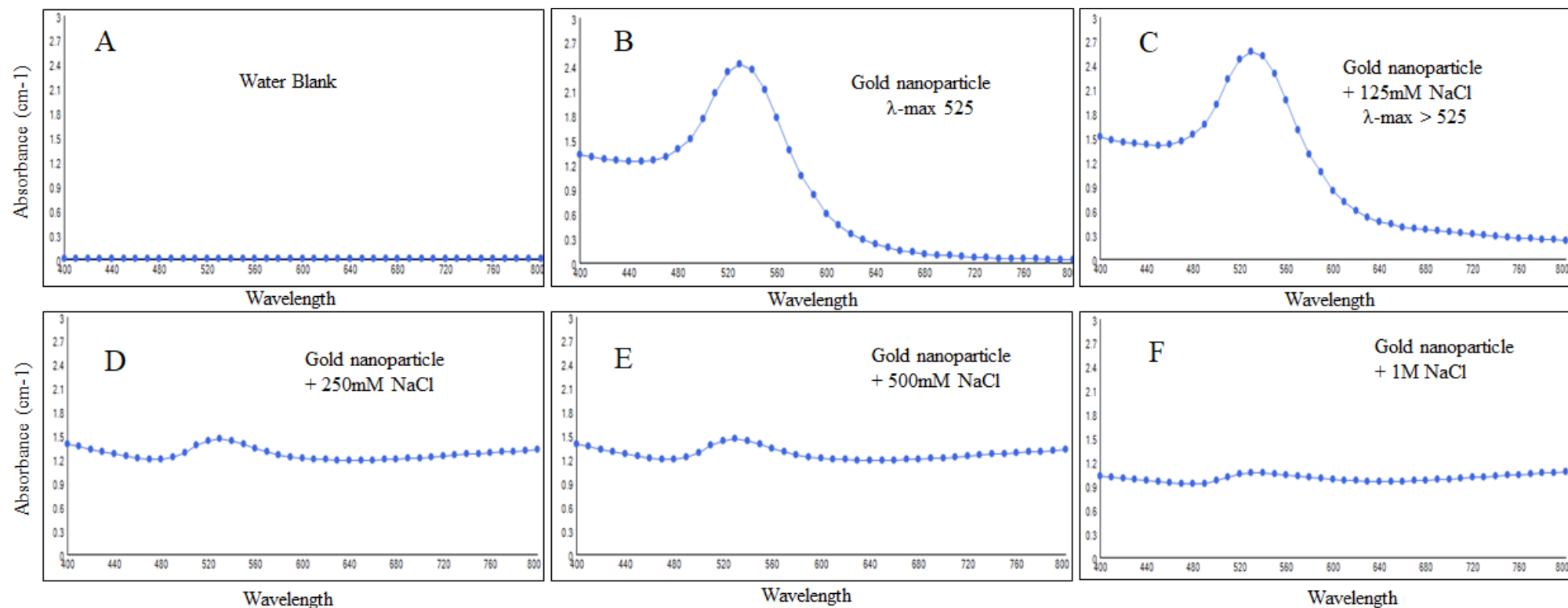




Supplementary Material, Fig S-1. Plasmon shift assays to analyze gold nanoparticle stability in presence of NaCl. The gold nanoparticles were analyzed in UV/VIS/NIR spectrophotometer for stability in presence NaCl, using scanning wavelength range (400-800nm). A-Water Blank. B-Normal gold nanoparticles in water (colloidal form λ_{max} 525). C-Gold nanoparticles, added 125mM NaCl (stability changed $\lambda_{\text{max}} > 525$). D-Gold nanoparticles, added 250mM NaCl (stability changed, start aggregating). E-Gold nanoparticles, added 500mM NaCl (stability changed, more aggregation). F-Gold nanoparticles, added 1M NaCl (stability changed, complete aggregation).