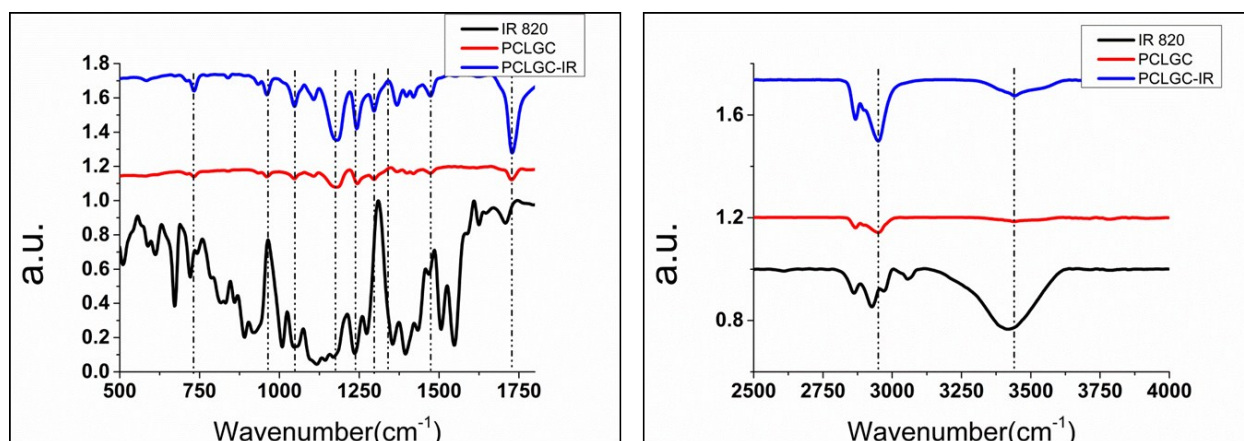


## SUPPLEMENTARY FIGURES

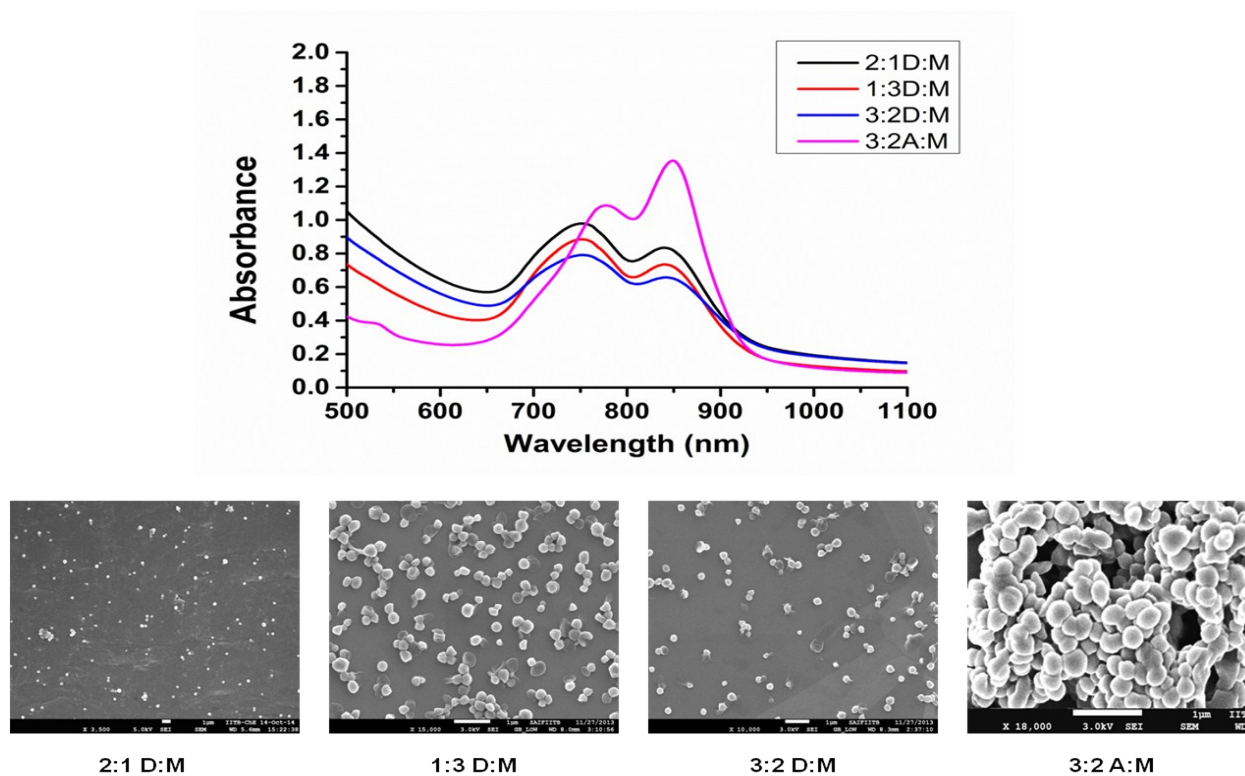
**Figure S1:** FTIR spectra of PCLGC, PCLGC-IR NPs and IR 820.

**Figure S2:** UV-visible absorbance of PCLGC-IR composite nanoparticles optimization in different solvent and their subsequent SEM images.

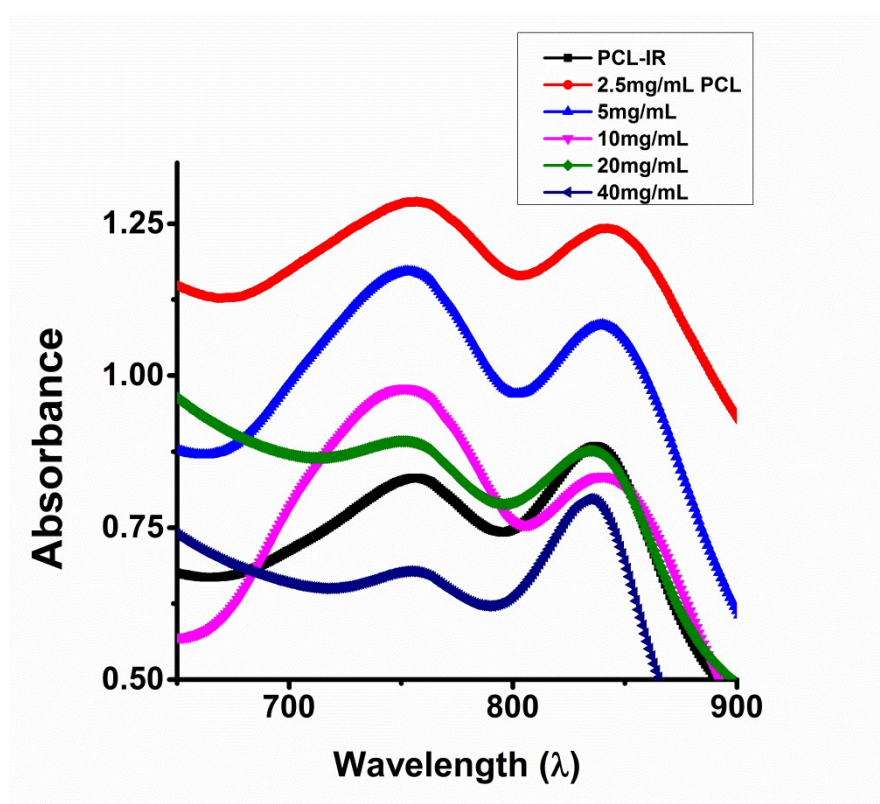
**Figure S3:** UV-visible absorbance of PCLGC-IR composite nanoparticles with various concentration of PCL



Supplementary Figure S1



Supplementary Figure S2



Supplementary Figure S3