

SUPPORTING INFORMATION

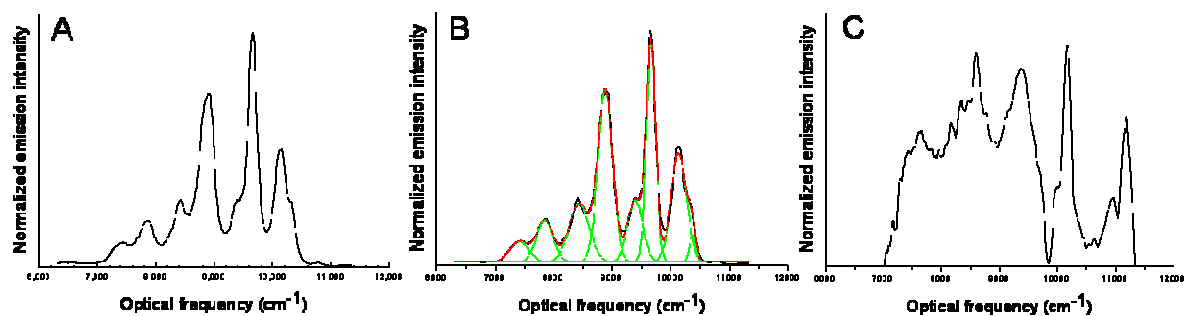


Figure S1: Fluorescence emission spectra (785 nm excitation wavelength) demonstrating dispersal of SWNT in A) TDOC solution; B) Peak fitting to characterize diameter and metallic/semi-conducting ratios of SWNT; C) SWNT sequestered in DTAB lyotropic LC phase.

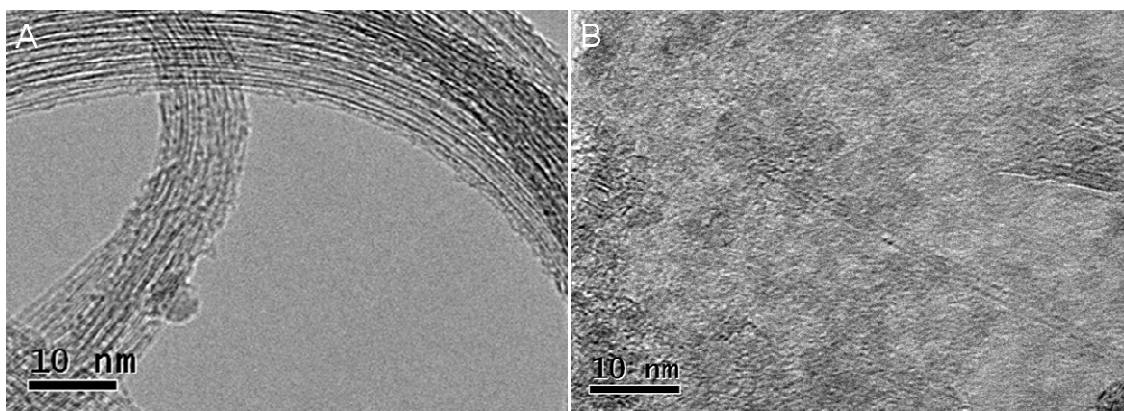


Figure S2: TEM of nanotubes showing high quality, small diameter materials. A) Purified SWNT; B) SWNT dispersed in TDOC showing effective dispersal of SWNT.

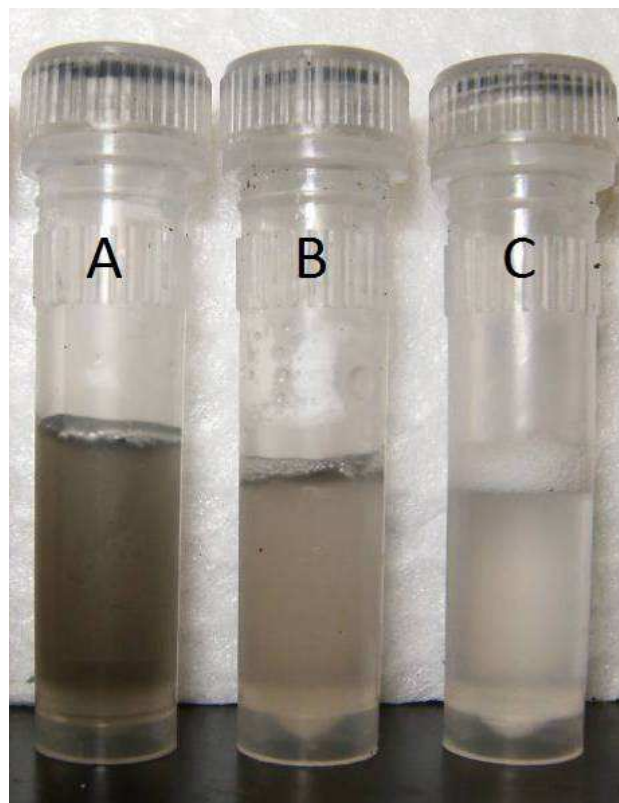


Figure S3: Matrix compositions with varying weight percentages of SWNTs. The SWNTs are well-dispersed in the matrix over the concentration ranges tested. A) 0.076 weight percent SWNTs, B) 0.028 weight percent SWNTs. C) Zero weight percent SWNTs (pure matrix).