

Electronic Supplementary Information

Development of an accurate method for dispersion and quantification of carbon nanotubes in biological media.

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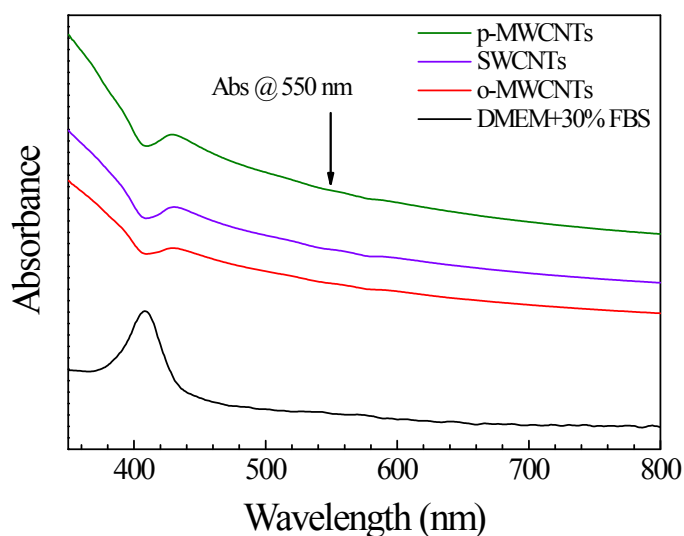


Figure S1.- Absorption spectra of pristine, oxidized MWCNTs and SWCNTs dispersed in DMEM containing 30 % FBS at RT conditions at one selected concentration.

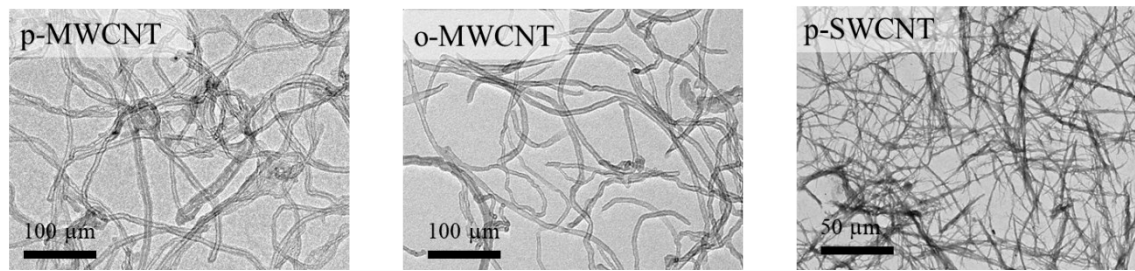


Figure S2.- TEM images of the pristine (p-MWCNT) and oxidize MWCNT (o-MWCNT) and the SWCNT after functionalization and centrifugation for micro aggregates removal.

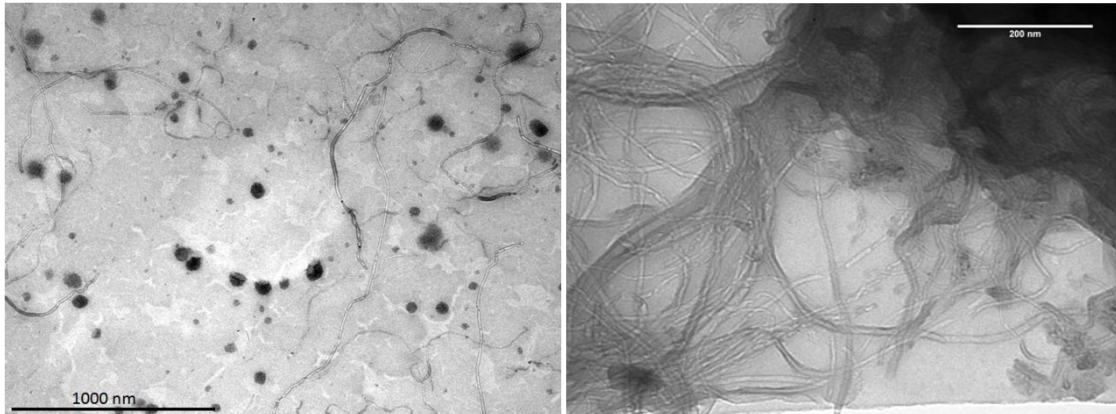


Figure S3.- TEM image of the o-MWCNT before the centrifugation step. The black spots are MWCNT aggregates and dirtiness that disappear after centrifugation. These aggregates can deeply influence the turbidity measurements and do not have the same interaction with the biological systems, so in terms of dosage, they have to be ruled out.

Video S4.- Video about how to redisperse the SWCNTs in bi-distilled water once they have been functionalized with FBS (video).