Electronic Supplementary Information

Production and Stability of Mechanochemically Exfoliated Graphene in Water and Culture Media

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Figure S1. N1s XPS of freeze-dried BMG powder



Figure S2. Photographs of the resulting vials after bath-sonication of graphite in CCM for 15 min. Initial graphite concentration 0.1 mg/mL. Left vial, as-purchased DMEM CCM; right vial, supplemented DMEM CCM. Picture taken 10 seconds after stopping the sonication process. Note the bottom deposits that rapidly appeared. No stable solid in suspension was noticed.



Figure S3. (a) TGA plot of GO. (b) Representative Raman spectra of GO. (c)TEM image and (d) statistical lateral dimension distribution from TEM images of GO in CCM+supplements.

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%C	47.71 ± 0.03
%Н	0.32 ± 0.02
%N	0.15 ± 0.02
%S	0.27 ± 0.03
%O	48.84 ± 0.02

Table S1. Elemental analysis of the GO employed in this study