

Functionally gradient three-dimensional graphene foam based polymeric scaffold for multilayered tissue regeneration

Supplementary data

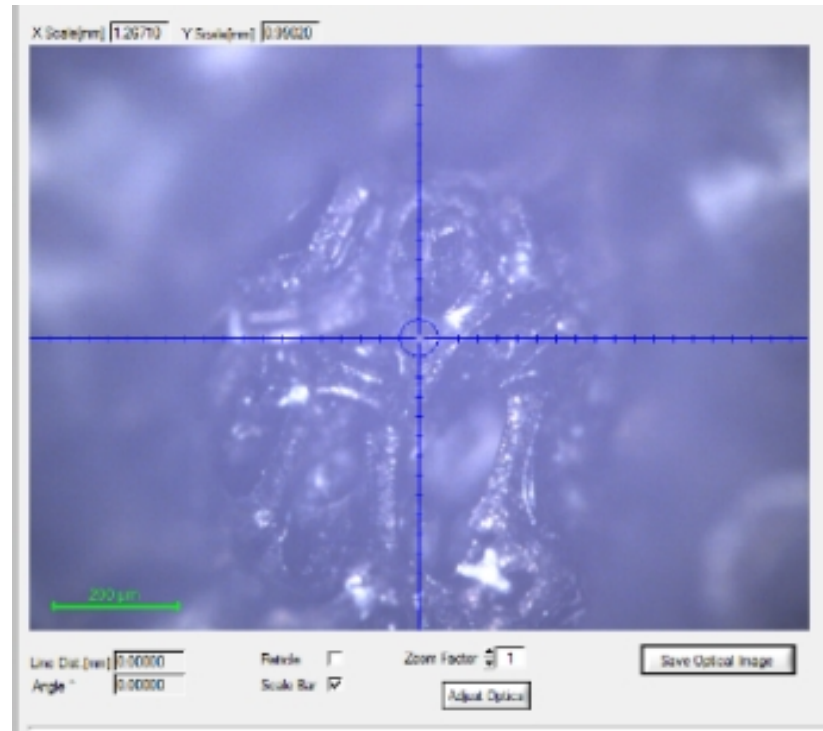


Figure S1. Optical image representative of typical nanoindentation test location on the scaffold.

Porosity of the fabricated scaffold: Micro-CT analysis



Figure S2. Video showing the 3D porosity of the fabricated trilayered GF based scaffolds.

Huh7 cells (Liver cell)

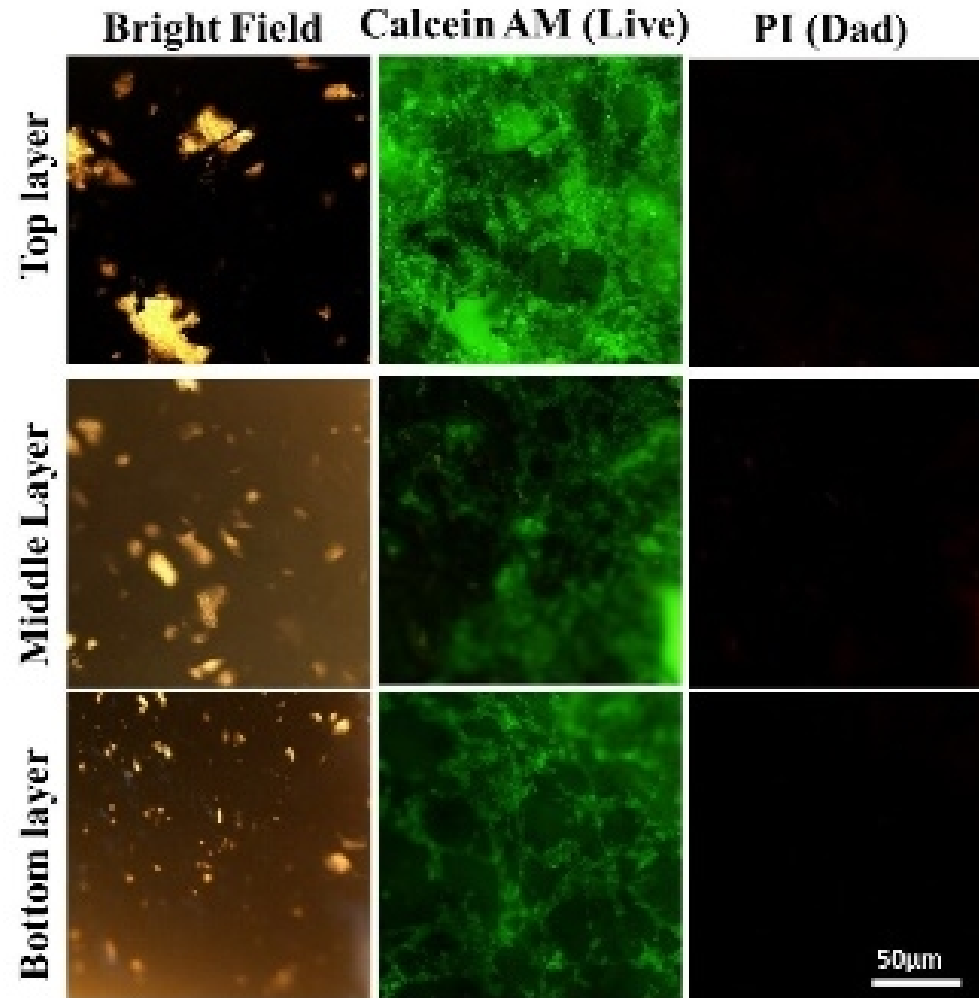


Figure S3. Cell staining performed on scaffolds, the images depict the live and dead staining for Huh7 cells in all 3 distinct layers. Calcein AM and PI dyes stain live (green) and dead cells (red) respectively.

N2a (Neuron)

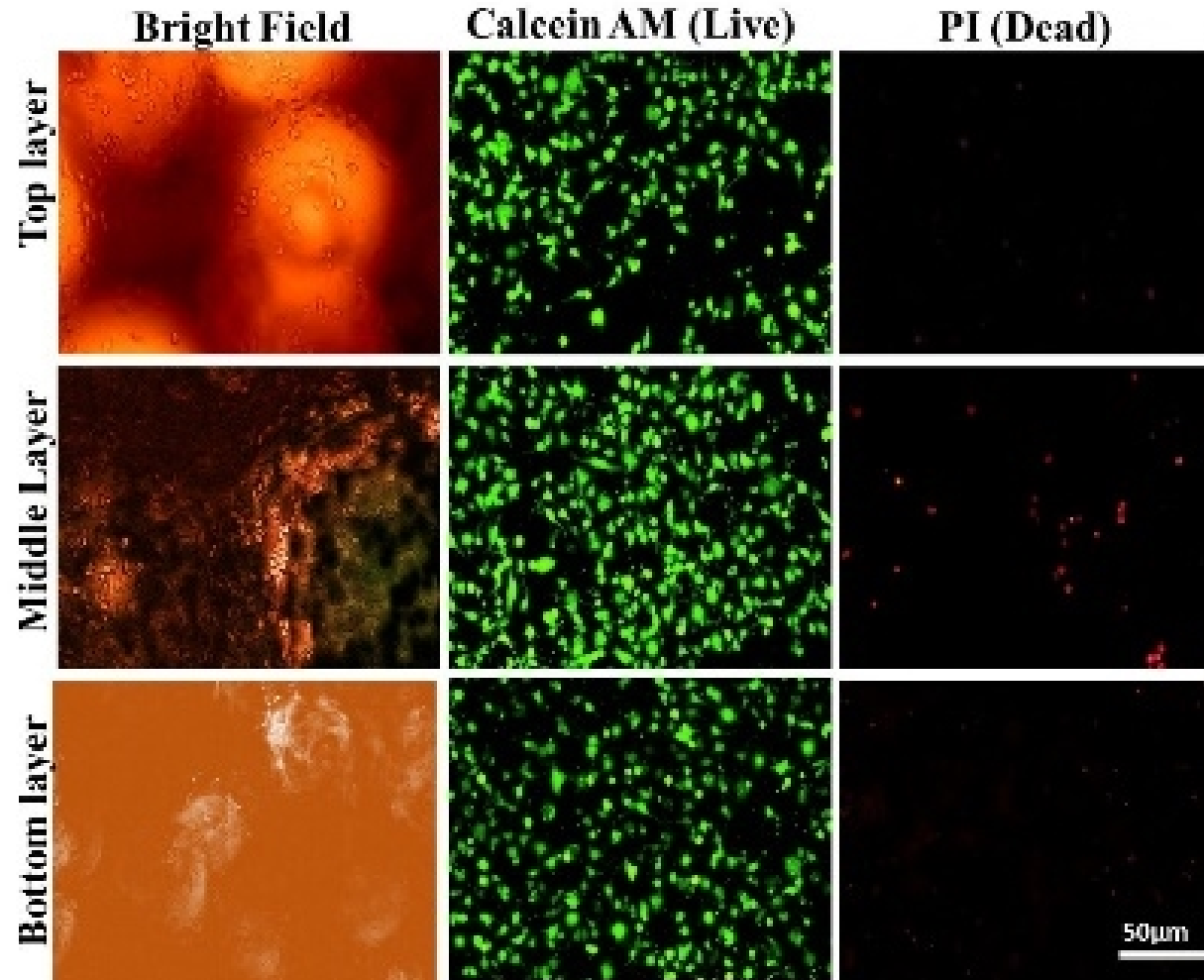


Figure S4. Cell staining performed on scaffolds, the images depict the live and dead staining for N2a cells in all 3 distinct layers. Calcein AM and PI dyes stain live (green) and dead cells (red) respectively.