Electronic Supplementary Information (ESI)

Fluorescence Carbon Nanoparticles Derived from Natural Material of Mango Fruit for Bio-imaging Probes

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Fig. S1 Freeze dried mango fruit powder (starting material).

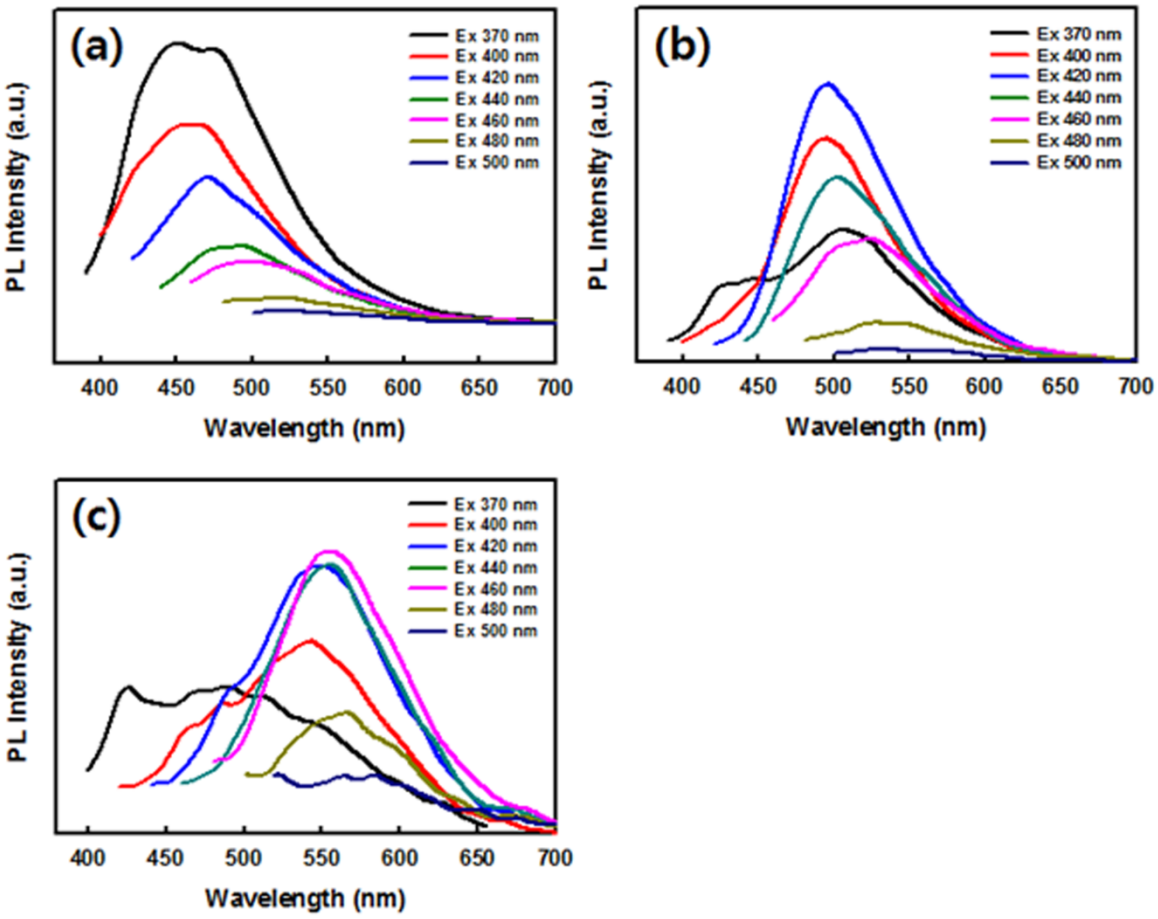

Fig. S2 Fluorescence emission spectra of (a) FCP-B, (b) FCP-G and (c) FCP-Y at different excitation wavelengths.

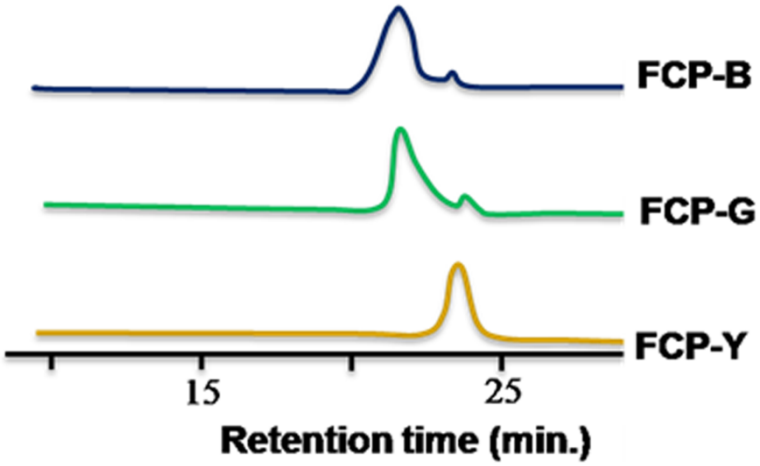

Fig. S3 Gel permeation chromatography (GPC) retention time (min) of FCP-B, FCP-G and FCP-Y, respectively.

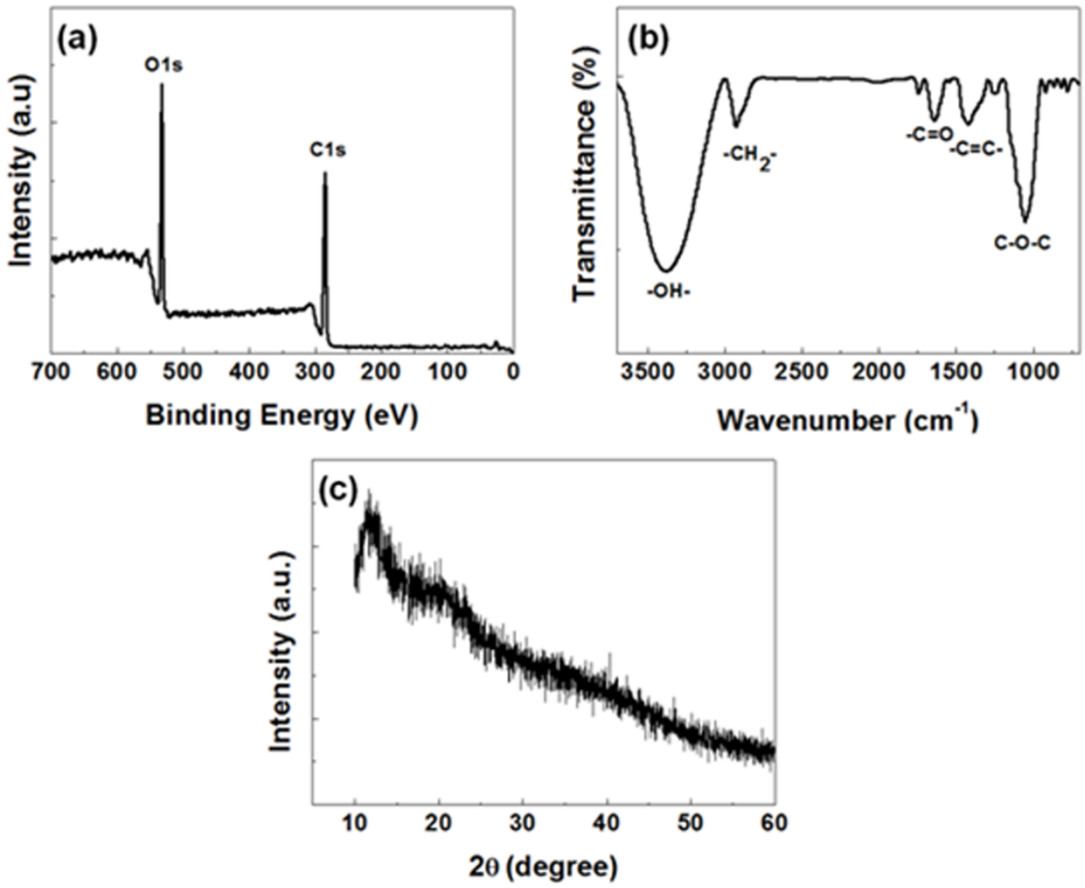

Fig. S4 XPS survey scans (a), FT-IR (b), and XRD patterns (c) of the freeze dried mango fruit powder (starting material, mango fruit).

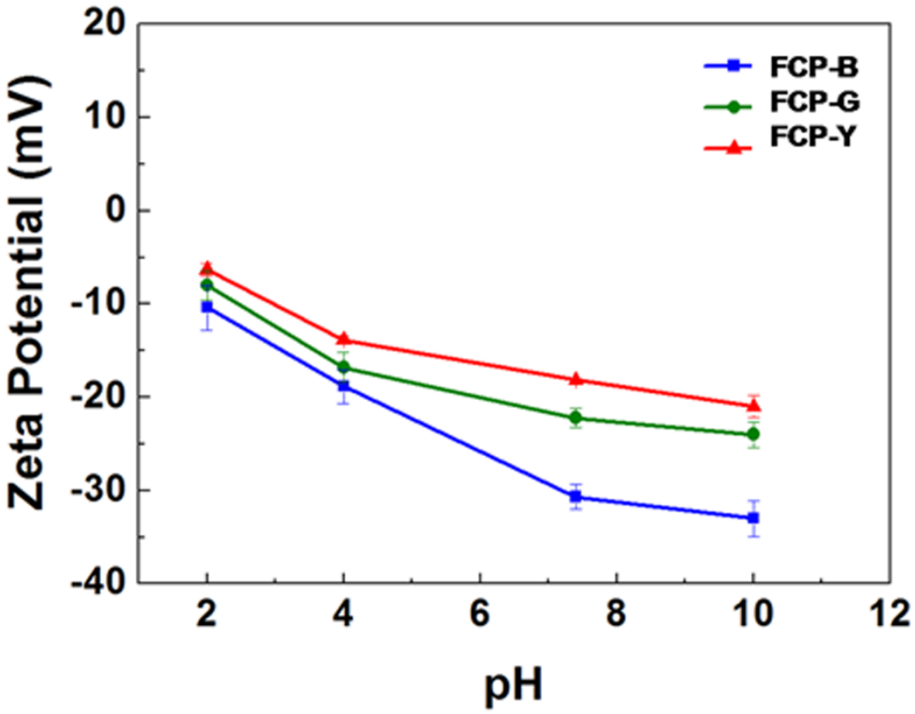

Fig. S5 pH-dependent zeta potential of FCP-B, FCP-G and FCP-Y.

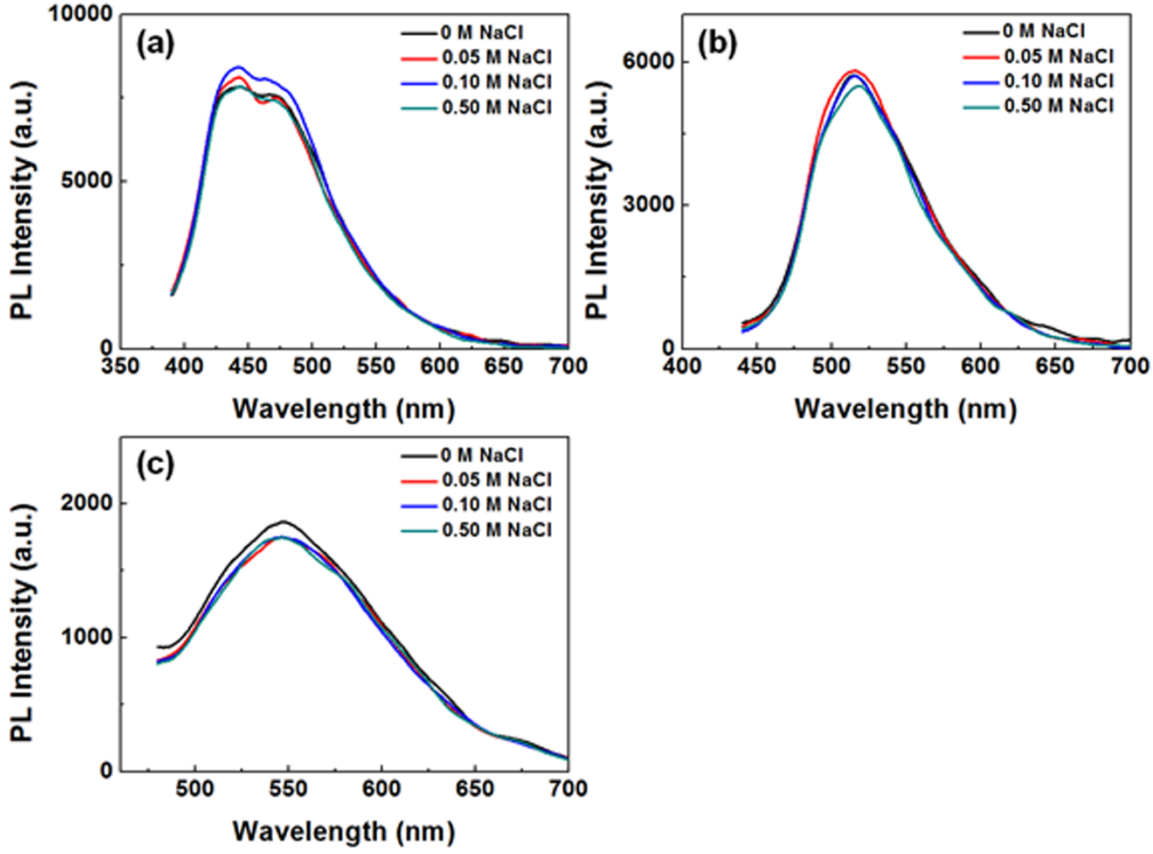

Fig. S6 Fluorescence emission spectra of (a) FCP-B, (b) FCP-G and (c) FCP-Y at different concentrations of NaCl solution.

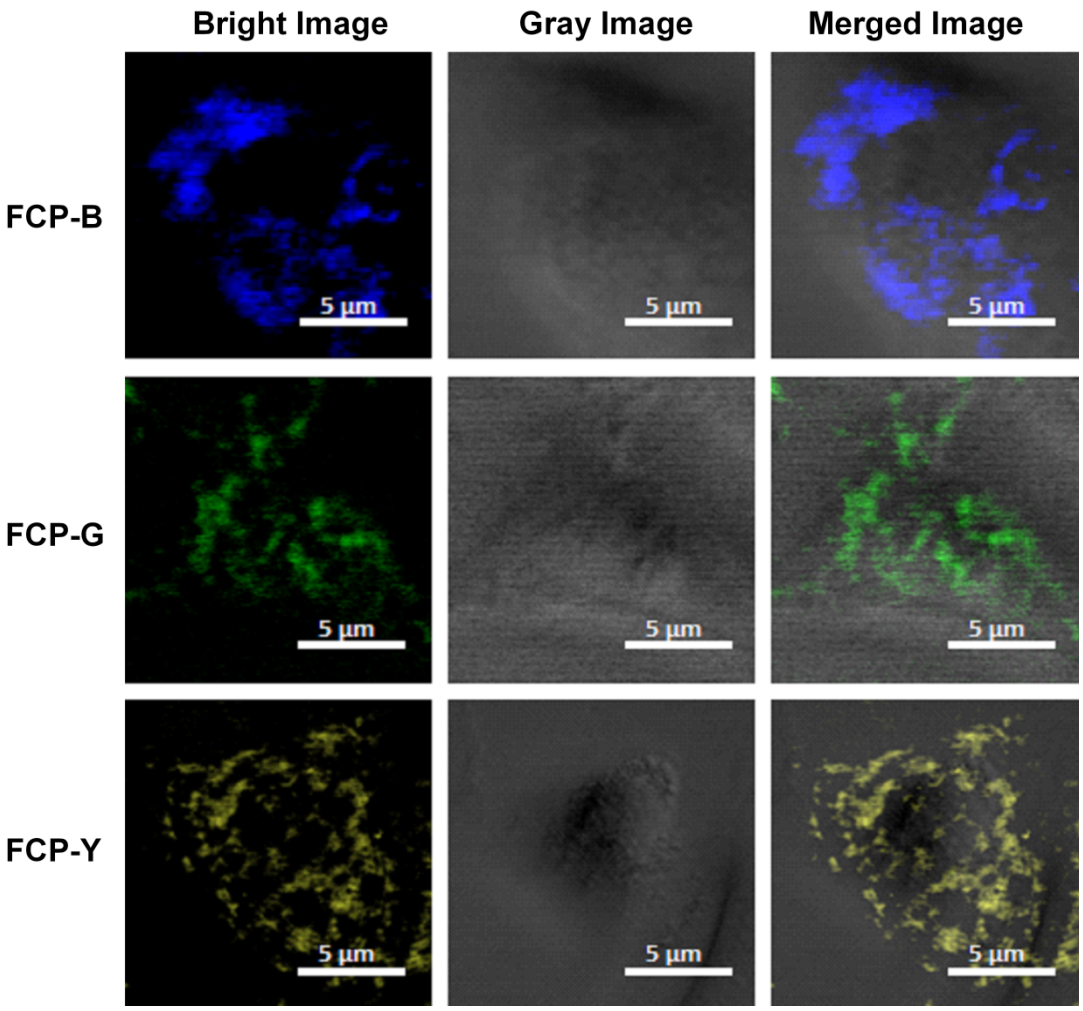

Fig. S7 Confocal fluorescence microphotograph of A549 cells with FNPs (FCP-B, FCP-G and FCP-Y) at 37 ^{O}C for 4 h incubation.

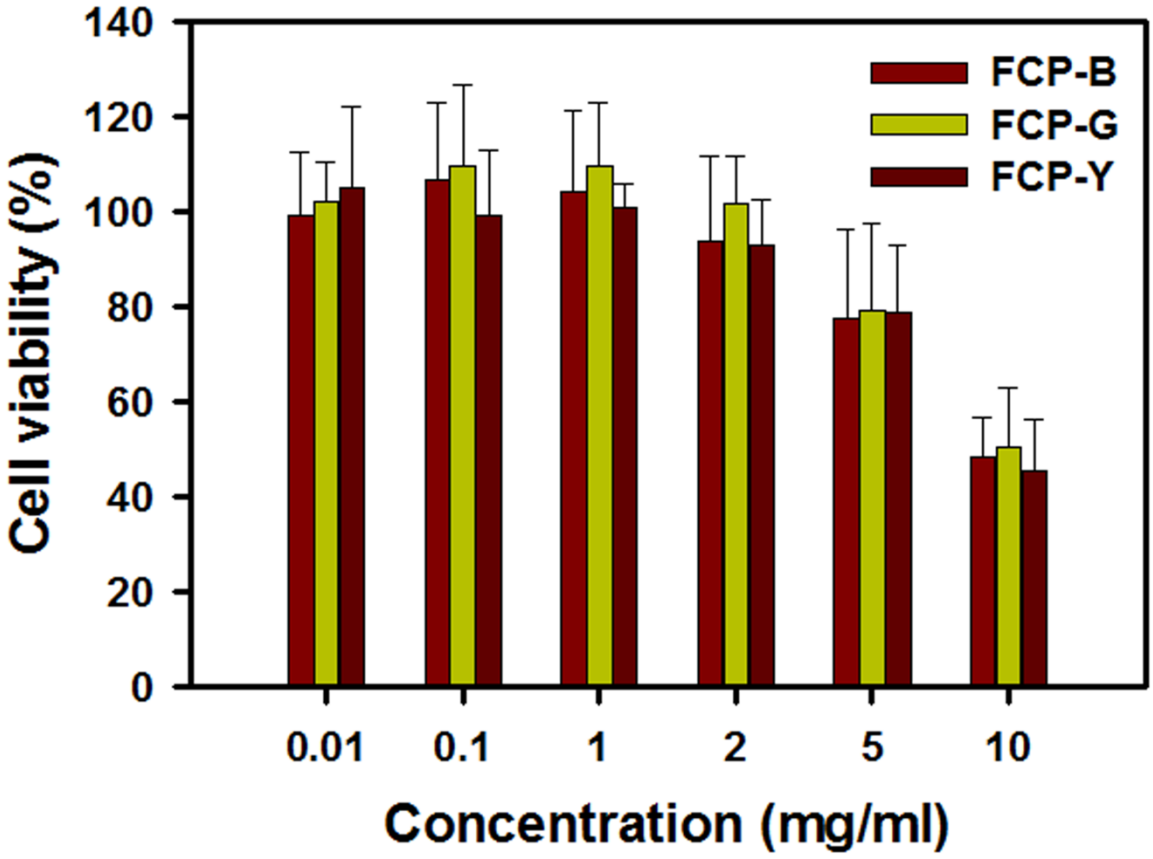

Fig. S8 MTT assay for *in vitro* cytotoxicity measurement of FCP-B, FCP-G and FCP-Y, respectively, after 24 h of incubation with A549 cells.