Trojan-Like Internalization of Anatase Titanium Dioxide Nanoparticles by Human Osteoblast Cells

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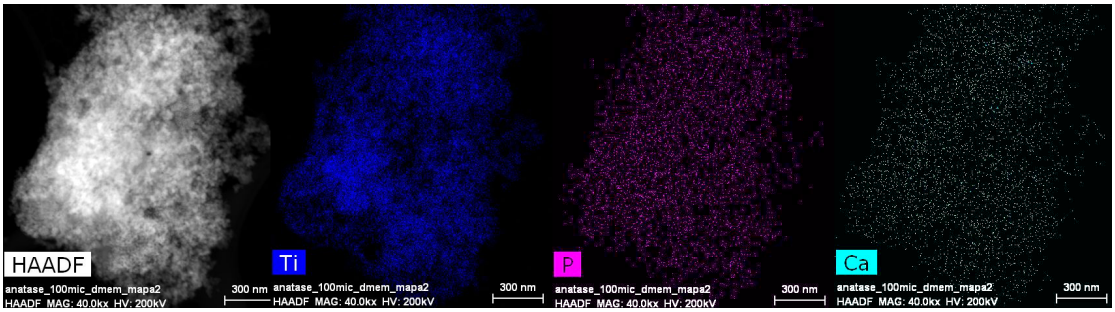

Figure S1: Anatase bio-complexes formation in medium culture without serum and albumin stabilization (100 µg/ml anatase): Dark-field STEM image showing where the corresponding elemental maps were obtained; STEM/EDS Ti-K map; STEM/EDS P-K map, STEM/EDS Ca-K map;

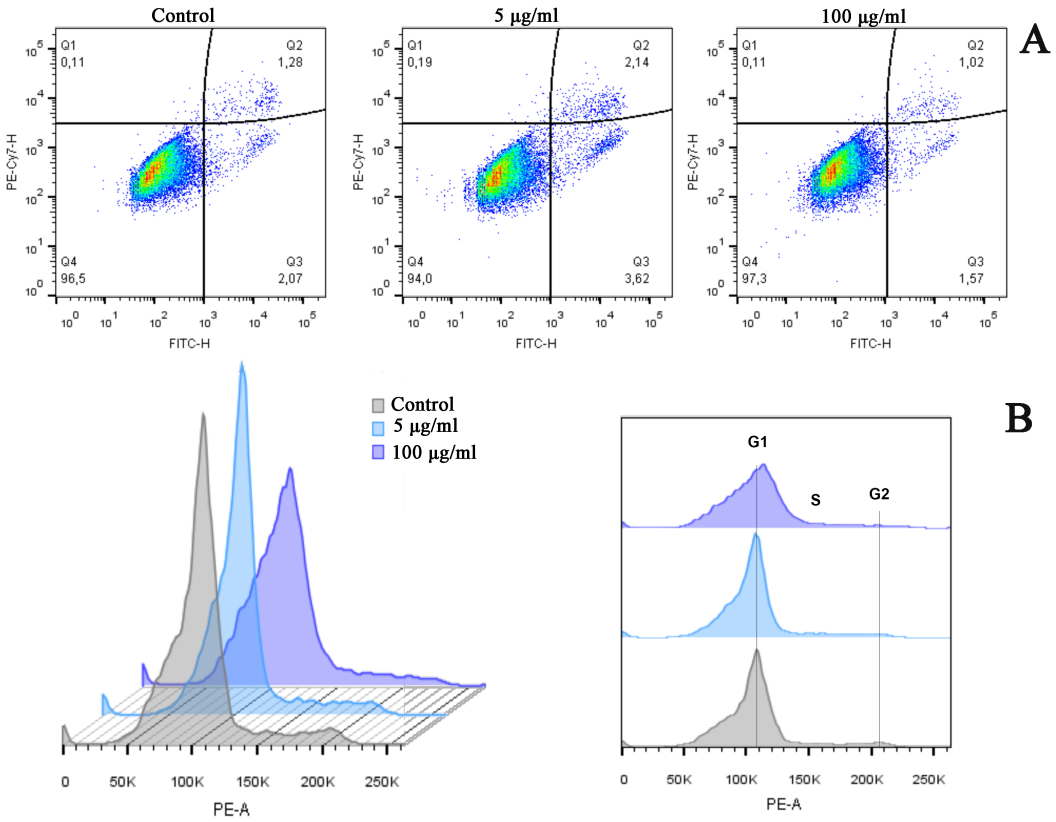

Figure S2: Bone cell viability and cell cycle analysis after exposure to anatase nanoparticles: (A) Dose-dependent effect of anatase on cell apoptosis using flow

cytometry after staining with annexin V / PI; (B) cell cycle analysis.