SUPPLEMENTARY MATERIAL

Grouping of poorly soluble low (cyto)toxic particles: example with 15 selected nanoparticles and A549 human lung cells

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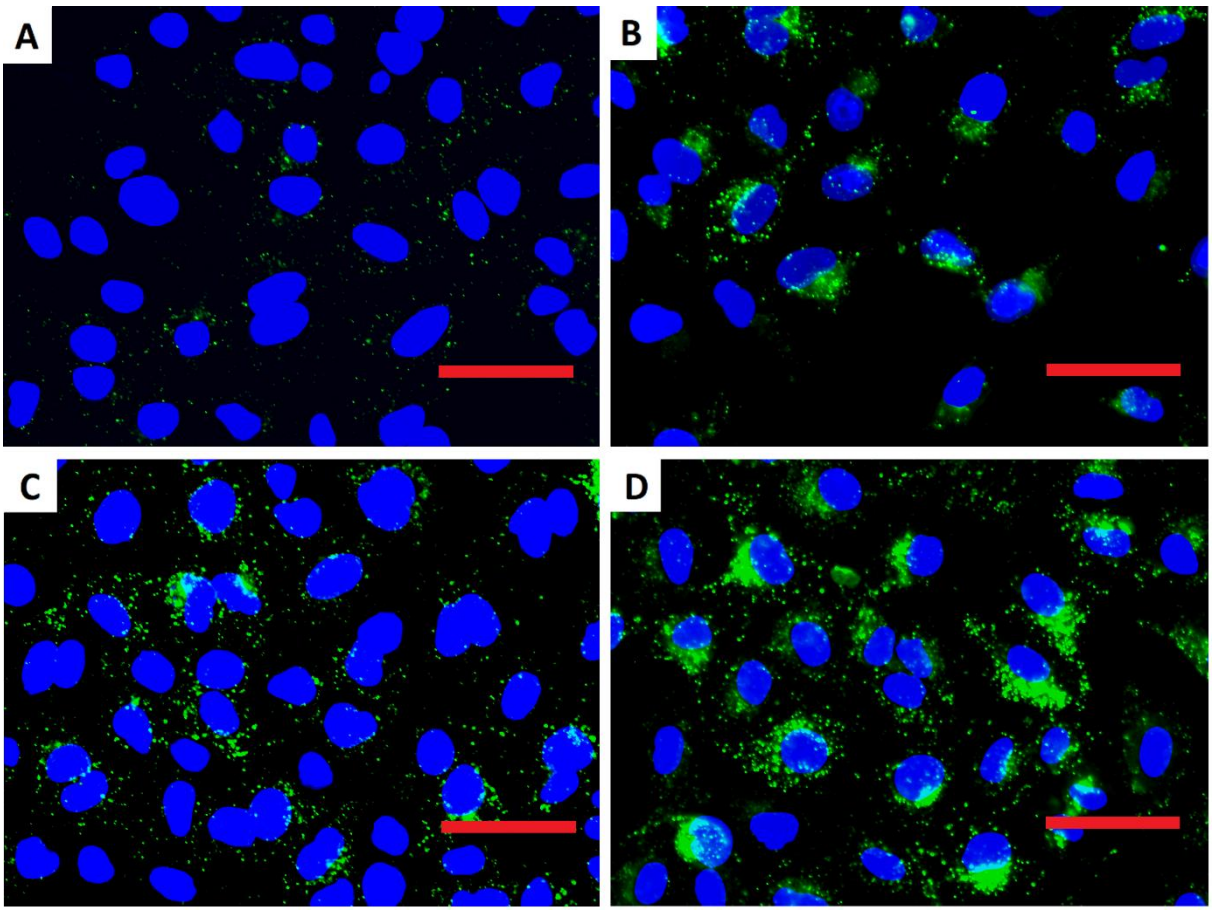

Figure S1. Fluorescence images of A549 cells stained by the LipidTOX dye after a 48-hour incubation. (**A**) Untreated control cells. (**B**) Cells treated with 20 μg mL^{-1} γ-Fe_2O_3+SiO_2-COOH. (**C**) Cells treated with 20 μg mL^{-1} γ-Fe_2O_3+SiO_2-NH_2. (**D**) Cells treated with 20 μg mL^{-1} γ-Fe_2O_3+SiO_2. Green fluorescence represents phospholipid rich organelles. Blue fluorescence represents cell nuclei. Scale bar = 50 μm.

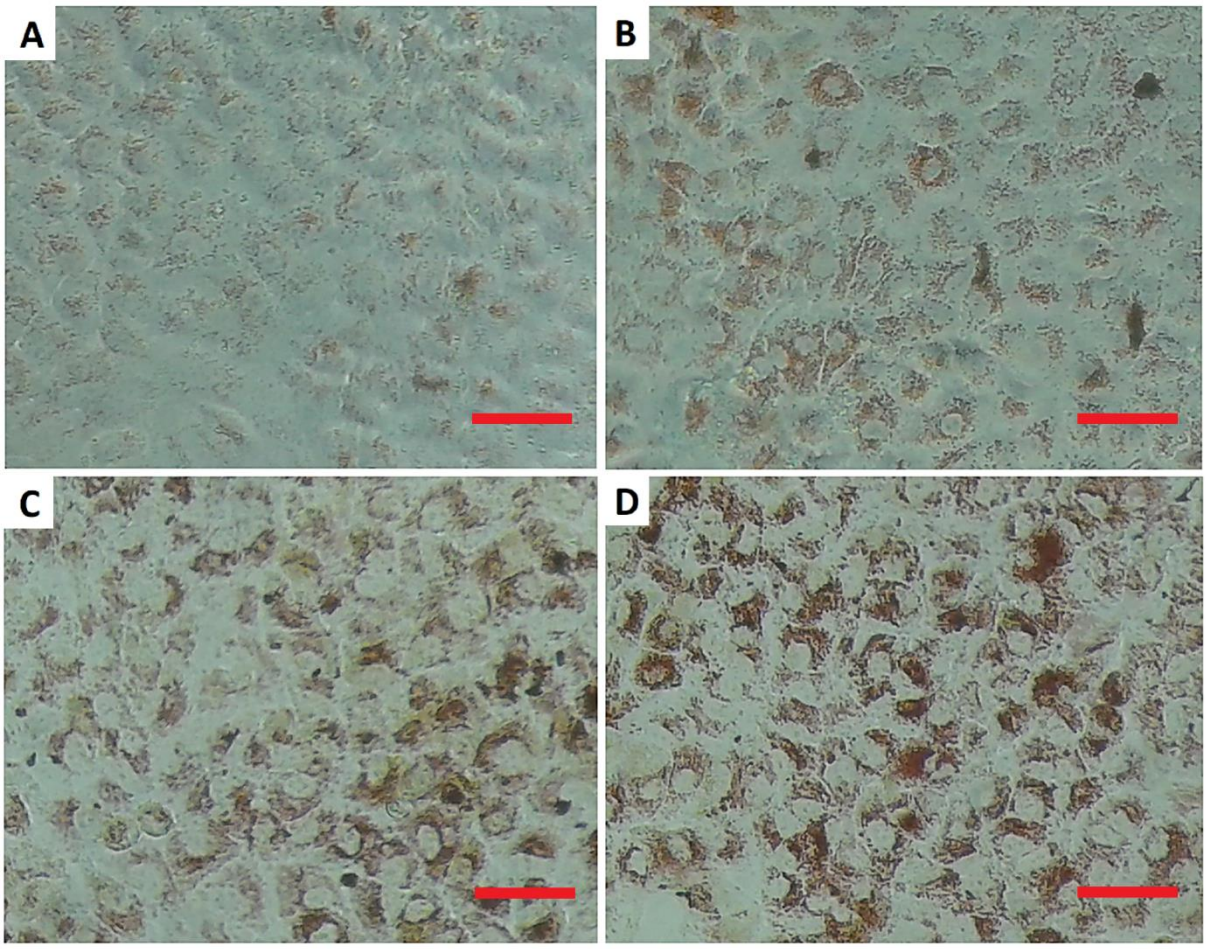

Figure S2. Phase contrast images of A549 cells stained by neutral red dye after a 48-hour incubation. (**A**) Untreated control cells. (**B**) Cells treated with 20 μg mL^{-1} γ-Fe_2O_3+SiO_2-COOH. (**C**) Cells treated with 20 μg mL^{-1} γ-Fe_2O_3+SiO_2-NH_2. (**D**) Cells treated with 20 μg mL^{-1} γ-Fe_2O_3+SiO_2. Unstained nuclei are surrounded by acid organelles stained red. Scale bar = 50 μm.