Supporting Information

Role of Nanoparticle Size, Shape and Surface Chemistry in Oral Drug Delivery

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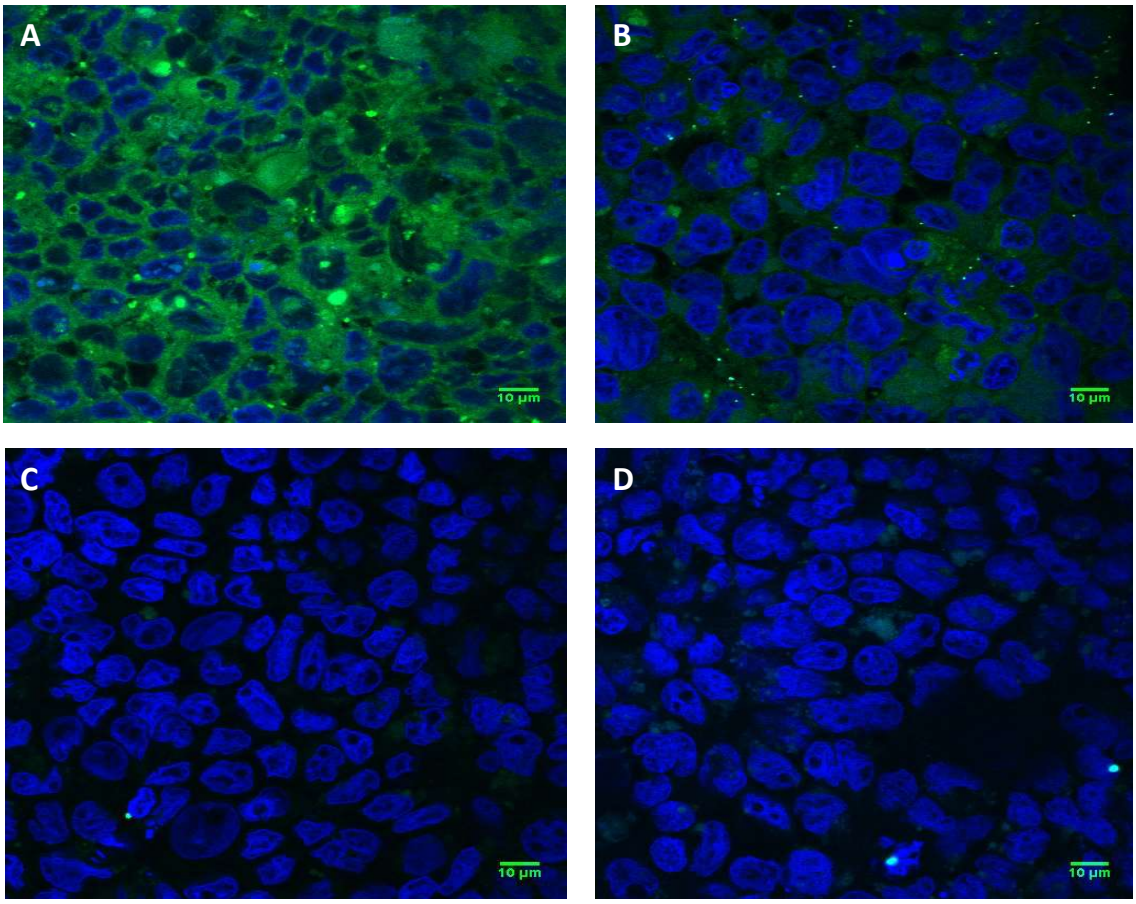

Figure S1: Confocal micrographs of transwell membrane containing triple co-culture cells incubated with different size nanoparticles.

Representative confocal microscopy images of transwell membrane seeded with Caco-2/HT-29/Raji-B cells at the end of transport studies conducted using A) 50 nm spheres; B) 200 nm spheres; C) 500 nm spheres and D) 1000 nm spheres. Green fluorescence represents particles while blue color represents cell nuclei (DAPI staining).

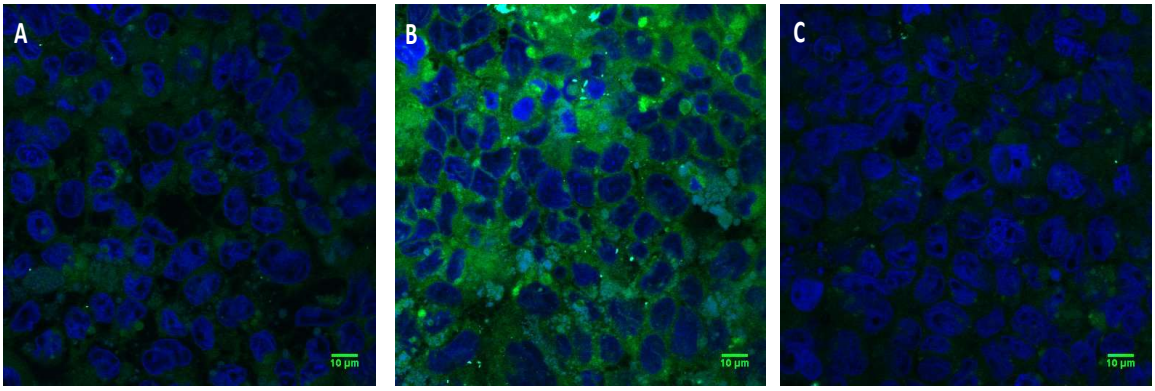

Figure S2: Confocal micrographs of transwell membranes containing triple co-culture cells incubated with different shaped nanoparticles.

Representative confocal microscopy images of transwell membrane seeded with Caco-2/HT-29/Raji-B cells at the end of transport studies conducted using A) Spheres; B) Rods and C) Discs. Green fluorescence represents particles while blue color represents cell nuclei (DAPI staining).

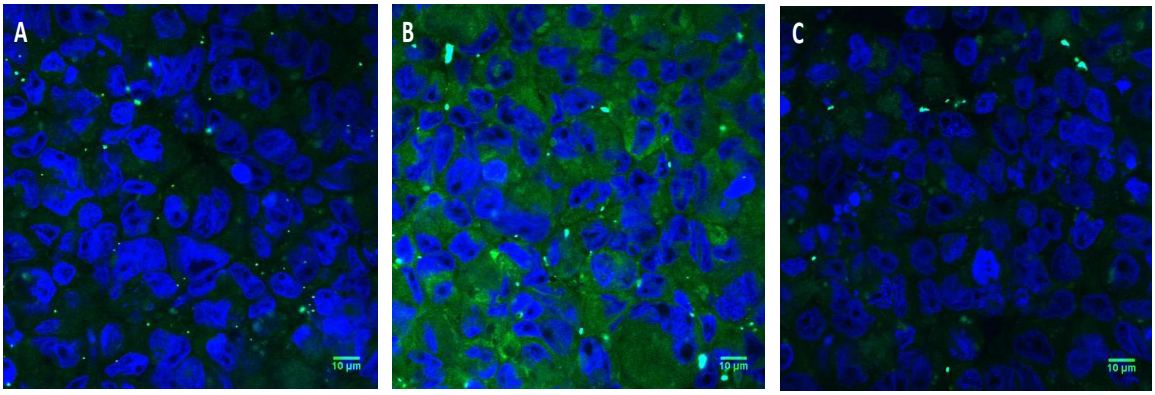

Figure S3: Confocal micrographs of transwell membranes containing triple co-culture cells incubated with biotin-conjugated nanoparticles of different shapes.

Representative confocal microscopy images of transwell membrane seeded with Caco-2/HT-29/Raji-B cells at the end of transport studies conducted using A) Biotin-conjugated spheres B) Biotin-conjugated rods C) Biotin-conjugated discs. Green fluorescence represents particles while blue color represents cell nuclei (DAPI staining).