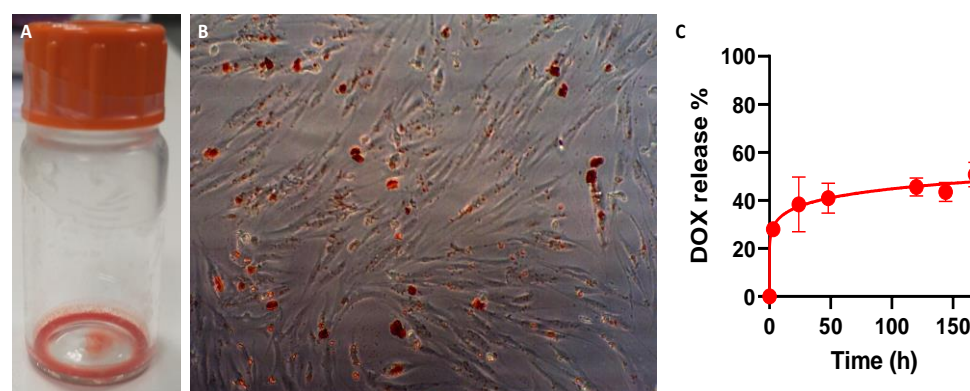


# Supplementary Materials: Endostatin Genetically Engineered Placental Mesenchymal Stromal Cells Carrying Doxorubicin-Loaded Mesoporous Silica Nanoparticles for Combined Chemo- and Antiangiogenic Therapy

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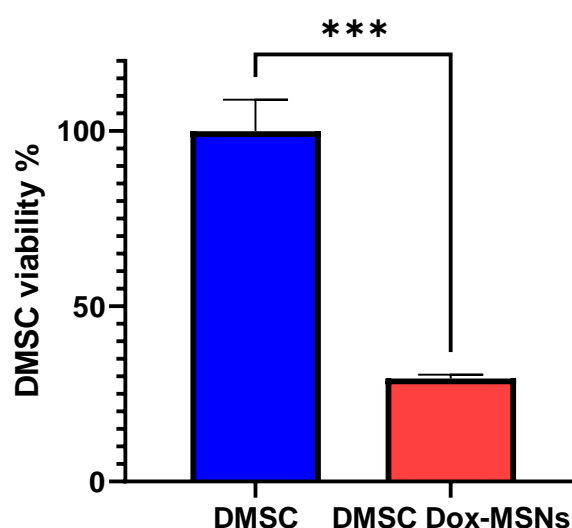


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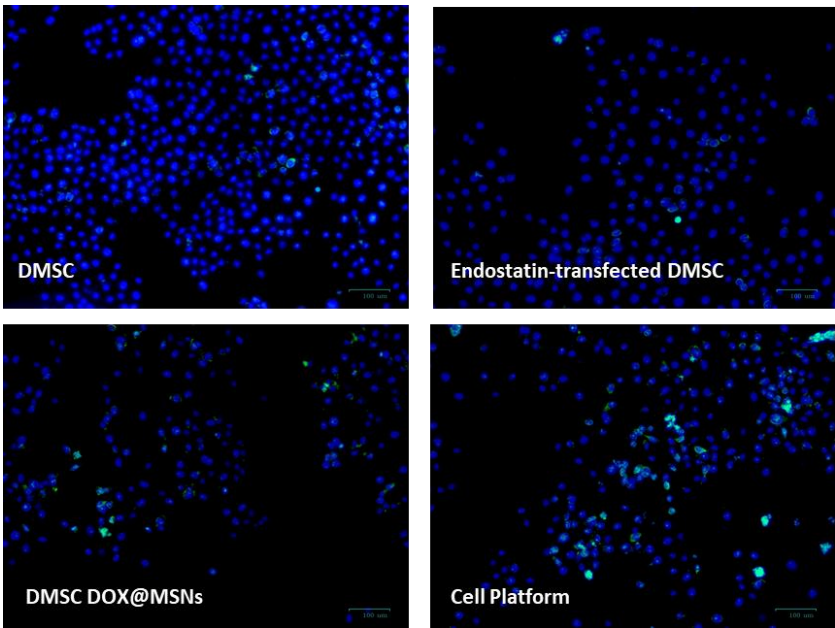
**Figure S1.** Photograph of dry DOX@MSNs (A) and microscopy transmission image of DOX@MSNs in culture with DMSC (B) showing a characteristic punctuated red color inside DMSC that indicates successful DOX loading. DOX release profile from DOX@MSNs in PBS at 37 °C under stirring (C).



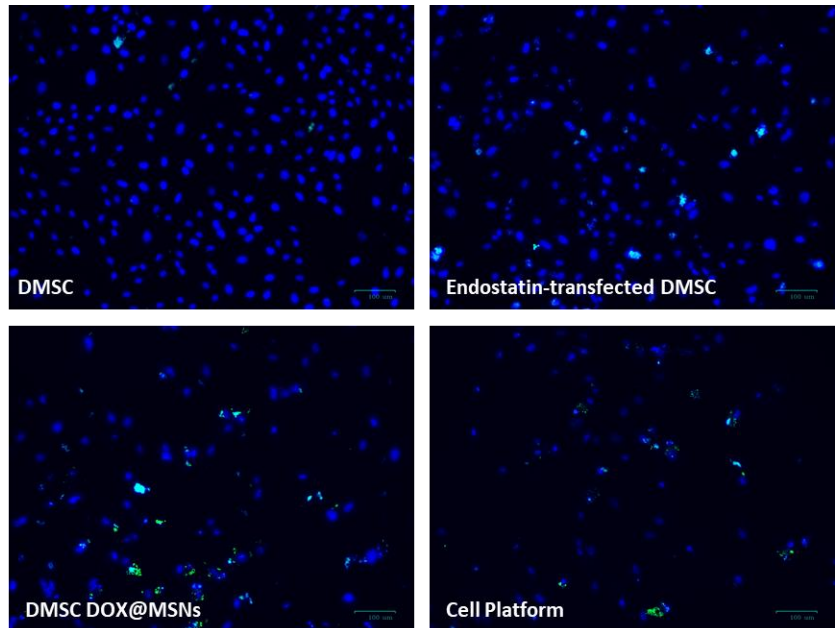
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**Figure S2.** DMSC viability (without and with Dox-loaded MSNs) after 48 h in co-culture with NMu cells determined by Alamar Blue assay. Data are Means  $\pm$ SD,  $n=3$ ; \*\*\* $p \leq 0.001$ .



**Figure S3.** Fluorescence microscopy images of NMU cancer cells after incubation with conditioned media of DMSC from different treatment groups. Blue fluorescence corresponds to cell nuclei stained with Hoechst 33342. Green fluorescence shows apoptotic cells labeled with CellEvent Caspase 3/7 apoptosis marker.



**Figure S4.** Fluorescence microscopy images of HUVEC endothelial cells after incubation with conditioned media of DMSC from different treatment groups. Blue fluorescence corresponds to cell nuclei stained with Hoechst 33342. Green fluorescence shows apoptotic cells labeled with CellEvent Caspase 3/7 apoptosis marker.