Article

Single-Walled Carbon Nanotube-Assisted Antibiotic Delivery and Imaging in S. epidermidis Strains Addressing Antibiotic Resistance

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Supporting Information

Figure S1. Fluorescence spectra of (a) SWCNTs/Doxycycline and (b) SWCNTs/Methicillin suspensions as prepared (red line) and a 24 h after (blue line)
Figure S2. TEM images of SWCNTs dispersed with doxycycline (left panel) and methicillin (right panel) showing antibiotic coating on nanotubes.
Figure S3. (a) Absorption spectra of SWCNTs/DSPE-PEG 5000 and antibiotics alone. (b) Absorption spectra of complexed SWCNTs and antibiotics.

Figure S4 – Petri dish pictures for Colony Formation Unit Assay: (a) S. epidermidis control (b) S. epidermidis treated with Doxycycline (c) S. epidermidis treated with Doxycycline-SWCNT dispersion (d) S. epidermidis treated with Methicillin (e) S. epidermidis treated with Methicillin-SWCNT dispersion