

# **Stimulus-responsive Controlled Release System by Covalent Immobilization of an Enzyme into Mesoporous Silica Nanoparticles**

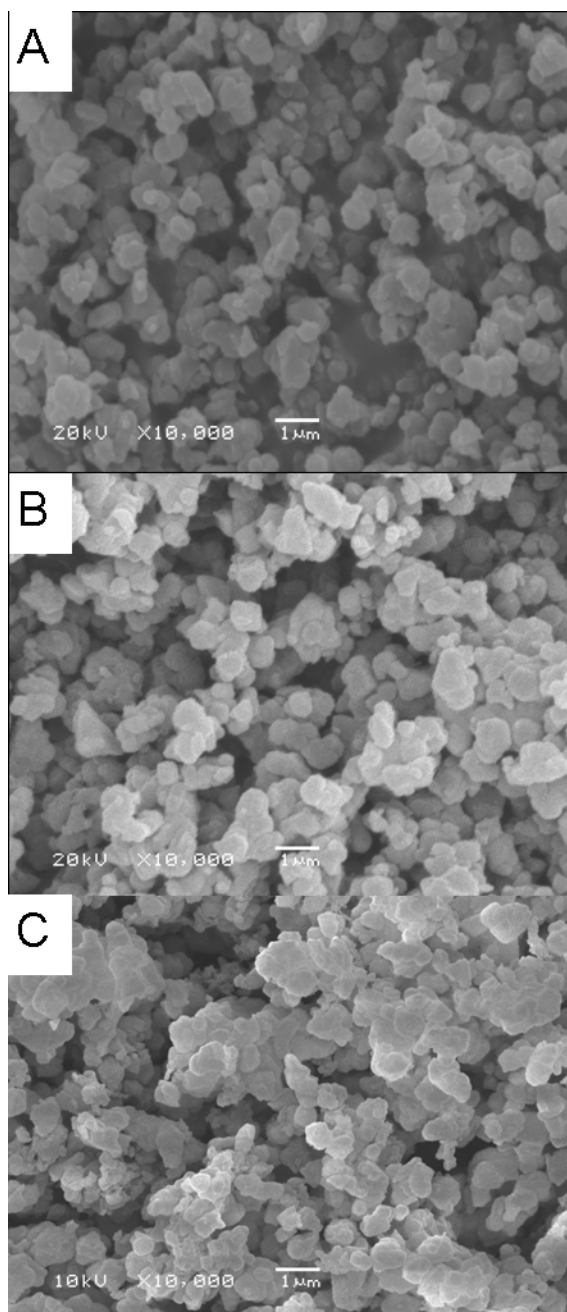
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SUPPORTING INFORMATION

**Scanning Electron Microscopy (SEM).** SEM was performed using a JEOL 5800LV scanning electron microscope at 20 kV. The samples were coated with gold (200-500 Å) using a Denton Vacuum DV-502A.

**Figure S1.** SEM micrographs of (A) MSN, (B) MSN-SH, and (C) MSN-CA.



**Figure S2.** CA-SPDP bioconjugate residual activity at different levels of modification

