Supporting information

One-Pot Method of Synthesizing TEMPO-Oxidized Bacterial Cellulose Nanofibers Using Immobilized TEMPO for Skincare Applications

Seung-Hyun Jun, Sun-Gyoo Park and Nae-Gyu Kang*
Figure S1. Schematic showing the synthesis of TOCNs via the (a) conventional process and (b) the one-pot process.
Figure S2. (a) Filtrated TEMPO-immobilized silica beads on the nylon mesh after the oxidation reaction, and the immobilized TEMPO, sodium hypochlorite, and BC solution (b) before and (c) after filtration. Scale bar = 300 μm.
Figure S3. Nanometer-resolution structures of the TOCNs and other bio-polymers obtained via high-resolution imaging using a FE-SEM. Scale bar = 100 nm.