Electrospun gelatin nanofibers loaded with vitamins A and E as antibacterial wound dressing materials

Heyu Li, Maochun Wang, Gareth R. Williams, Junzi Wu, Xiaozhu Sun, Yao Lv and Li-Min Zhu*

a College of Chemistry, Chemical Engineering and Biotechnology, Donghua University, Shanghai, 201620, China. E-mail: lzhu@dhu.edu.cn; Tel: 00862167792655

b UCL School of Pharmacy, University College London, 29-39 Brunswick Square, London, WC1N 1AX, UK.

Supporting Information

Figure S1. UV spectra of (a) vitamin A palmitate and (b) vitamin E TPGS in pH 7.4 phosphate buffer with 0.5% (v/v) Tween 80.

Figure S2. A schematic of the crosslinking process performed using glutaraldehyde.
Figure S3. TGA traces of a) G/A+E fibers before and after cross-linking; b) all the cross-linked fibers.