Supporting Information

Size-Dependent Antibacterial Activity of Silver Nanoparticle-Loaded Graphene Oxide Nanosheets

Truong Thi Tuong Vi¹, Selvaraj Rajesh Kumar¹, Yu-Tzu Huang², Dave W. Chen³, Yu-Kuo Liu¹ and Shingjiang Jessie Lue^{13,4,*}

- ¹ Department of Chemical and Materials Engineering, Chang Gung University, Taoyuan City 33302, Taiwan; truongthituongvi005@gmail.com (T.T.T.V.); rajeshkumarnst@gmail.com (S.R.K.); ykliu@mail.cgu.edu.tw (Y.-K.L.)
- ² Department of Chemical Engineering, Chung Yuan Christian University, Taoyuan City 32023, Taiwan; yt_huang@cycu.edu.tw
- ³ Department of Orthopedic Surgery, Chang Gung Memorial Hospital, Keelung City 20445, Taiwan; mr5181@cgmh.org.tw
- ⁴ Department of Safety, Health and Environment Engineering, Ming-Chi University of Technology, New Taipei City 24301, Taiwan
- * Correspondence: jessie@mail.cgu.edu.tw; Tel.:+866-3-211-8800 (ext.5489); Fax: +886-3-211-8700



Figure S1. FTIR (a) and XRD (b) analysis of GO



Figure S2. FTIR (a) and XRD (b) analysis of GO-Ag NPs



Figure S3. Antibacterial activities of GO during 13 h observation (a) and GO–Ag NPs during 4 h observation (b).