Accepted Manuscript

Title: Construction of poly (vinyl alcohol)/poly (lactide — glycolide acid)/vancomycin nanoparticles on titanium for enhancing the surface self-antibacterial activity and cytocompatibility

Author: Zehui Liu Yizhou Zhu Xiangmei Liu K.W.K. Yeung

Shuilin Wu

PII: S0927-7765(16)30853-0

DOI: http://dx.doi.org/doi:10.1016/j.colsurfb.2016.12.016

Reference: COLSUB 8293

To appear in: Colloids and Surfaces B: Biointerfaces

Received date: 17-10-2016 Revised date: 12-12-2016 Accepted date: 14-12-2016

Please cite this article as: Zehui Liu, Yizhou Zhu, Xiangmei Liu, K.W.K.Yeung, Shuilin Wu, Construction of poly (vinyl alcohol)/poly (lactide — glycolide acid)/vancomycin nanoparticles on titanium for enhancing the surface self-antibacterial activity and cytocompatibility, Colloids and Surfaces B: Biointerfaces http://dx.doi.org/10.1016/j.colsurfb.2016.12.016

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



ACCEPTED MANUSCRIPT

Construction of poly (vinyl alcohol) / poly (lactide - glycolide acid) / vancomycin nanoparticles on titanium for enhancing the surface self-antibacterial activity and cytocompatibility

Zehui Liu^a, Yizhou Zhu^a, Xiangmei Liu^a, K.W. K. Yeung^b, Shuilin Wu^{a*}

^a Hubei Collaborative Innovation Center for Advanced Organic Chemical

Materials, Ministry-of-Education Key Laboratory for the Green Preparation and

Application of Functional Materials, Hubei Key Laboratory of Polymer Materials,

School of Materials Science & Engineering, Hubei University, Wuhan 430062, China

^b Department of Orthopaedics & Traumatology, Li Ka Shing Faculty of Medicine, The

University of Hong Kong, Hong Kong, China

E-mail: shuilin.wu@gmail.com (SL Wu)

Tel.: +86-27-88661729 and Fax: +86-27-88665610 (SL Wu)

1

^{*} To whom correspondence should be addressed:

Download English Version:

https://daneshyari.com/en/article/4983221

Download Persian Version:

https://daneshyari.com/article/4983221

<u>Daneshyari.com</u>