Author's Accepted Manuscript

The detection of brucellosis antibody in whole serum based on the low-fouling electrochemical immunosensor fabricated with magnetic Fe₃O₄@Au@PEG@HA nanoparticles

Shuli Lv, Jinliang Sheng, Shiyi Zhao, Mingchao Liu, Lihua Chen



www.elsevier.com/locate/bios

PII: S0956-5663(18)30440-8

DOI: https://doi.org/10.1016/j.bios.2018.06.010

Reference: BIOS10530

To appear in: Biosensors and Bioelectronic

Received date: 13 April 2018 Revised date: 3 June 2018 Accepted date: 5 June 2018

Cite this article as: Shuli Lv, Jinliang Sheng, Shiyi Zhao, Mingchao Liu and Lihua Chen, The detection of brucellosis antibody in whole serum based on the low-fouling electrochemical immunosensor fabricated with magnetic Fe₃O₄@Au@PEG@HA nanoparticles, *Biosensors and Bioelectronic*, https://doi.org/10.1016/j.bios.2018.06.010

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 galley proof before it is published in its final citable 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

The detection of brucellosis antibody in whole serum based on the low-fouling electrochemical immunosensor fabricated with magnetic Fe $_3O_4$ @Au@PEG@HA nanoparticles

Shuli Lv ^{a,12}, Jinliang Sheng ^{b,1,2}, Shiyi Zhao ^{a2}, Mingchao Liu ^{a2}, Lihua Chen ^{a, b,*2}

^a Key Laboratory of Sensor Analysis of Tumor Marker, Ministry of Education, Key Laboratory of Biochemical Analysis, Shandong Province, College of Chemistry and Molecular Engineering, Qingdao University of Science and Technology, 266042, Qingdao, China.

^b Key Laboratory of Prevention and Control of Animal Disease of Xinjiang Corps.

College of Animal Science and Technology, Shihezi University, 832000, Shihezi,

Xinjiang, China.

*Corresponding author: Lihua Chen, E-mail: lihuachen@qust.edu.cn.; Fax: +86 53284022681; Tel: +86 15054246089.

¹ These authors contributed equally to this work.

² These universities contributed equally to this work.

Download English Version:

https://daneshyari.com/en/article/7229002

Download Persian Version:

https://daneshyari.com/article/7229002

<u>Daneshyari.com</u>