Impedimetric biosensor modified with hydrophilic material of tannic acid/polyethylene glycol and dopamine-assisted deposition for detection of breast cancer-related BRCA1 gene

Lihua Chen, Xiang Liu, Chuangfu Chen

PII: S1572-6657(17)30150-9
DOI: doi: 10.1016/j.jelechem.2017.03.001
Reference: JEAC 3166

To appear in: *Journal of Electroanalytical Chemistry*

Received date: 10 December 2016
Revised date: 23 February 2017
Accepted date: 1 March 2017

Please cite this article as: Lihua Chen, Xiang Liu, Chuangfu Chen , Impedimetric biosensor modified with hydrophilic material of tannic acid/polyethylene glycol and dopamine-assisted deposition for detection of breast cancer-related BRCA1 gene. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Jeac(2017), doi: 10.1016/j.jelechem.2017.03.001

Impedimetric biosensor modified with hydrophilic material of tannic acid/polyethylene glycol and dopamine-assisted deposition for detection of breast cancer-related BRCA1 gene

Lihua Chen [a, b], Xiang Liu [a], Chuangfu Chen [b,*]

[a] Key Laboratory of Sensor Analysis of Tumor Marker, Ministry of Education, 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: Chuangfu Chen , E-mail: chuangfu_chen@163.com; Fax: (+86)09932058002; Tel: (+86)09932058002.