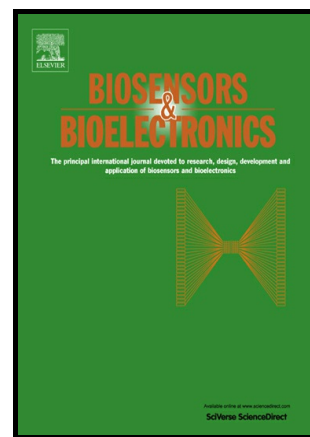


Author's Accepted Manuscript

A sensitive biosensor using double-layer capillary based immunomagnetic separation and invertase-nanocluster based signal amplification for rapid detection of foodborne pathogen

Fengchun Huang, Huilin Zhang, Lei Wang, Weihua Lai, Jianhan Lin



PII: S0956-5663(17)30662-0
DOI: <https://doi.org/10.1016/j.bios.2017.10.005>
Reference: BIOS10030

To appear in: *Biosensors and Bioelectronic*

Received date: 16 August 2017
Revised date: 23 September 2017
Accepted date: 2 October 2017

Cite this article as: Fengchun Huang, Huilin Zhang, Lei Wang, Weihua Lai and Jianhan Lin, A sensitive biosensor using double-layer capillary based immunomagnetic separation and invertase-nanocluster based signal amplification for rapid detection of foodborne pathogen, *Biosensors and Bioelectronic*, <https://doi.org/10.1016/j.bios.2017.10.005>

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.

**A sensitive biosensor using double-layer capillary based
immunomagnetic separation and invertase-nanocluster based signal
amplification for rapid detection of foodborne pathogen**

Fengchun Huang¹, Huilin Zhang¹, Lei Wang¹, Weihua Lai², Jianhan Lin^{3*}

¹Key Laboratory of Agricultural Information Acquisition Technology, Ministry of Agriculture, China Agricultural University, 17 East Qinghua Road, Beijing 100083, China

²State Key Laboratory of Food Science and Technology, Nanchang University, 235 Nanjing East Road, Nanchang 330047, China

³Key Laboratory on Modern Precision Agriculture System Integration Research, Ministry of Education, China Agricultural University, 17 East Qinghua Road, Beijing 100083, China

*Corresponding author: Dr. Jianhan Lin, Phone/Fax: +86-10-62737599; Email:

jianhan@cau.edu.cn

Download English Version:

<https://daneshyari.com/en/article/5030827>

Download Persian Version:

<https://daneshyari.com/article/5030827>

[Daneshyari.com](https://daneshyari.com)