Accepted Manuscript

Title: Highly Sensitive Detection of Triazophos Pesticide Using a Novel Bio-Bar-Code Amplification Competitive Immunoassay in a micro well plate-based platform

Authors: Pengfei Du, Maojun Jin, Chan Zhang, Ge Chen, Xueyan Cui, Yudan Zhang, Yanxin Zhang, Pan Zou, Zejun Jiang, Xiaolin Cao, Yongxin She, Fen Jin, Jing Wang

PII: S0925-4005(17)31975-5

DOI: https://doi.org/10.1016/j.snb.2017.10.075

Reference: SNB 23379

To appear in: Sensors and Actuators B

Received date: 18-7-2017 Revised date: 13-10-2017 Accepted date: 14-10-2017



Please cite this article as: Pengfei Du, Maojun Jin, Chan Zhang, Ge Chen, Xueyan Cui, Yudan Zhang, Yanxin Zhang, Pan Zou, Zejun Jiang, Xiaolin Cao, Yongxin She, Fen Jin, Jing Wang, Highly Sensitive Detection of Triazophos Pesticide Using a Novel Bio-Bar-Code Amplification Competitive Immunoassay in a micro well plate-based platform, Sensors and Actuators B: Chemical https://doi.org/10.1016/j.snb.2017.10.075

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.

Highly Sensitive Detection of Triazophos Pesticide Using a Novel Bio-Bar-Code

Amplification Competitive Immunoassay in a micro well plate-based platform

Pengfei Du, Maojun Jin*, Chan Zhang, Ge Chen, Xueyan Cui, Yudan Zhang, Yanxin

Zhang, Pan Zou, Zejun Jiang, Xiaolin Cao, Yongxin She, Fen Jin, Jing Wang*

Key Laboratory for Agro-Products Quality and Food Safety, Institute of Quality

Standards & Testing Technology for Agro-Products, Chinese Academy of Agricultural

Sciences, Beijing, 100081, China

*Address for Correspondence:

Dr. Maojun Jin

Tel: 010-82106570

E-mail: katonking@163.com

Prof. Dr. Jing Wang

Tel: 010-82106568

E-mail: w_jing2001@126.com

Highlights

The novel bio-bar-code amplification competitive immunoassay using

one monoclonal antibody overcomes the obstacles in small molecule

detection.

1

Download English Version:

https://daneshyari.com/en/article/7141552

Download Persian Version:

https://daneshyari.com/article/7141552

<u>Daneshyari.com</u>