## Accepted Manuscript

Development of a new format of competitive immunochromatographic assay using secondary antibody—europium nanoparticle conjugates for ultrasensitive and quantitative determination of ochratoxin A

Marjan Majdinasab, Mohsen Zareian, Qi Zhang, Peiwu Li

PII: S0308-8146(18)31683-2

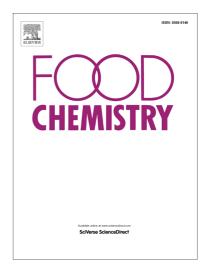
DOI: https://doi.org/10.1016/j.foodchem.2018.09.112

Reference: FOCH 23599

To appear in: Food Chemistry

Received Date: 31 May 2018

Revised Date: 17 September 2018 Accepted Date: 18 September 2018



Please cite this article as: Majdinasab, M., Zareian, M., Zhang, Q., Li, P., Development of a new format of competitive immunochromatographic assay using secondary antibody—europium nanoparticle conjugates for ultrasensitive and quantitative determination of ochratoxin A, *Food Chemistry* (2018), doi: https://doi.org/10.1016/j.foodchem.2018.09.112

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**

Development of a new format of competitive immunochromatographic assay using secondary antibody—europium nanoparticle conjugates for ultrasensitive and quantitative determination of ochratoxin A

Marjan Majdinasab <sup>a</sup>, Mohsen Zareian <sup>b</sup>, Qi Zhang <sup>c,d,e\*</sup>, Peiwu Li <sup>c,d,e,f,g,\*</sup>

<sup>a</sup> Department of Food Science and Technology, College of Agriculture, Shiraz University, Shiraz, 71441-65186, Iran

<sup>b</sup> Fraunhofer Institute for Process Engineering and Packaging IVV, Freising, 85354, Germany

<sup>c</sup> Oil Crops Research Institute of the Chinese Academy of Agricultural Sciences, Wuhan 430062, People's Republic of China

<sup>d</sup> Key Laboratory of Biology and Genetic Improvement of Oil Crops, Ministry of Agriculture, Wuhan 430062, People's Republic of China

<sup>e</sup> Key Laboratory of Detection for Mycotoxins, Ministry of Agriculture, Wuhan 430062, People's Republic of China

<sup>f</sup>Laboratory of Risk Assessment for Oilseeds Products, Wuhan, Ministry of Agriculture, Wuhan 430062, People's Republic of China

<sup>9</sup> Quality Inspection and Test Center for Oilseeds Products, Ministry of Agriculture, Wuhan 430062, People's Republic of China

\*Corresponding author at: Qi Zhang and Peiwu Li, Oil Crops Research Institute, Chinese Academy of Agricultural Sciences, 2<sup>#</sup>Xudong 2nd Road, Wuchang, Wuhan 430062, P. R. China.

 $E\text{-mail address: }\underline{zhangqi01@caas.cn}\text{ (Q. Zhang). }\underline{peiwuli@oilcrops.cn}\text{ (P. Li);}$ 

Tel.: +86 27 86812943; Fax: +86 27 86812862

## Download English Version:

## https://daneshyari.com/en/article/11027443

Download Persian Version:

https://daneshyari.com/article/11027443

<u>Daneshyari.com</u>