## **Accepted Manuscript**

Title: Graphene Oxide Based Fluorescence Resonance Energy Transfer and Loop-mediated Isothermal Amplification for White Spot Syndrome Virus Detection

Author: U. Waiwijit D. Phokaratkul J. Kampeera T. Lomas A. Wisitsoraat W. Kiatpathomchai A. Tuantranont

PII: S0168-1656(15)30083-3

DOI: http://dx.doi.org/doi:10.1016/j.jbiotec.2015.08.003

Reference: BIOTEC 7202

To appear in: Journal of Biotechnology

Received date: 9-1-2015 Revised date: 6-8-2015 Accepted date: 10-8-2015

Please cite this article as: Waiwijit, U., Phokaratkul, D., Kampeera, J., Lomas, T., Wisitsoraat, A., Kiatpathomchai, W., Tuantranont, A., Graphene Oxide Based Fluorescence Resonance Energy Transfer and Loop-mediated Isothermal Amplification for White Spot Syndrome Virus Detection. Journal of Biotechnology http://dx.doi.org/10.1016/j.jbiotec.2015.08.003

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.

## Graphene Oxide Based Fluorescence Resonance Energy Transfer and Loop-mediated Isothermal Amplification for White Spot Syndrome Virus Detection

U. Waiwijit<sup>a</sup>, D. Phokaratkul<sup>b</sup>, J. Kampeera<sup>c</sup>, T. Lomas<sup>a</sup>, A. Wisitsoraat<sup>b</sup>, W. Kiatpathomchai<sup>c\*</sup> wansika@biotec.or.th, A. Tuantranont<sup>a\*</sup> adisorn.tuantranont@nectec.or.th

<sup>b</sup>Nanoelectronics and MEMS Laboratory, National Electronics and Computer Technology Center (NECTEC), National Science and Technology Development Agency (NSTDA), 112 Thailand Science Park, Thanon Phahonyothin, Tambon Khlong Neung, Amphoe Khlong Luang, Pathum Thani 12120, Thailand

<sup>c</sup>Bioengineering and Sensing Technology Laboratory, National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency (NSTDA), 113 Thailand Science Park, Thanon Phahonyothin, Tambon Khlong Neung, Amphoe Khlong Luang, Pathum Thani 12120, Thailand

<sup>&</sup>lt;sup>a</sup>Thailand Organic and Printed Electronics Innovation Center

<sup>\*</sup>Corresponding authors. NECTEC and BIOTEC, National Science and Technology Development Agency (NSTDA). Tel.: +66 2 5646900 Ext.2111; Fax: +66 2 5645756.

## Download English Version:

## https://daneshyari.com/en/article/6490930

Download Persian Version:

https://daneshyari.com/article/6490930

<u>Daneshyari.com</u>