### Author's Accepted Manuscript

Highly Sensitive Detection of Clenbuterol in Urine Sample by Using Surface Plasmon Resonance Immunosensor

Dulal C. Kabiraz, Kinichi Morita, Kazuhira Sakamoto, Masashi Takahashi, Toshikazu Kawaguchi



www.elsevier.com/locate/talanta

PII: S0039-9140(18)30356-4

DOI: https://doi.org/10.1016/j.talanta.2018.04.011

Reference: TAL18550

To appear in: *Talanta* 

Received date: 27 December 2017 Revised date: 14 March 2018 Accepted date: 5 April 2018

Cite this article as: Dulal C. Kabiraz, Kinichi Morita, Kazuhira Sakamoto, Masashi Takahashi and Toshikazu Kawaguchi, Highly Sensitive Detection of Clenbuterol in Urine Sample by Using Surface Plasmon Resonance Immunosensor, *Talanta*, https://doi.org/10.1016/j.talanta.2018.04.011

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.

### **ACCEPTED MANUSCRIPT**

# Highly Sensitive Detection of Clenbuterol in Urine Sample by Using Surface Plasmon Resonance Immunosensor

Dulal C. Kabiraz <sup>a,b</sup>, Kinichi Morita<sup>c</sup>\*, Kazuhira Sakamoto<sup>d</sup>, Masashi Takahashi<sup>e, f</sup>, Toshikazu Kawaguchi<sup>e, f</sup>

<sup>a</sup>Graduate School of Environmental Sciences, Hokkaido University, Sapporo 060-0810, Japan

<sup>b</sup>Department of Chemistry, Faculty of Science, University of Rajshahi, Rajshahi-6205, Bangladesh

<sup>c</sup>New Business Development Office, USHIO INC. 1-6-5 Marunouchi, Chiyoda-ku, Tokyo, 100-8150, Japan

<sup>d</sup>Yabegawa electronics. Co., Hachie-machi 65 Omuta-shi, Fukuoka, 836-0847, Japan

<sup>e</sup>Graduate School of Global Food Resources, Hokkaido University, Sapporo 060-8589, Japan

<sup>f</sup>Global Station for Food, Land and Water Resources, Global Institute for Collaborative Research and Education, Hokkaido University, Sapporo 060-8589, Japan

#### Download English Version:

## https://daneshyari.com/en/article/7676258

Download Persian Version:

https://daneshyari.com/article/7676258

<u>Daneshyari.com</u>