

Accepted Manuscript

Title: Rapid colorimetric detection of mercury using biosynthesized gold nanoparticles

Authors: Nafisa Zohora, Dipesh Kumar, Mahdiah Yazdani, Vincent M. Rotello, Rajesh Ramanathan, Vipul Bansal



PII: S0927-7757(17)30368-0
DOI: <http://dx.doi.org/doi:10.1016/j.colsurfa.2017.04.036>
Reference: COLSUA 21548

To appear in: *Colloids and Surfaces A: Physicochem. Eng. Aspects*

Received date: 1-3-2017
Revised date: 18-4-2017
Accepted date: 18-4-2017

Please cite this article as: Nafisa Zohora, Dipesh Kumar, Mahdiah Yazdani, Vincent M. Rotello, Rajesh Ramanathan, Vipul Bansal, Rapid colorimetric detection of mercury using biosynthesized gold nanoparticles, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* <http://dx.doi.org/10.1016/j.colsurfa.2017.04.036>

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.

Rapid colorimetric detection of mercury using biosynthesized gold nanoparticles

*Nafisa Zohora,^{§‡} Dipesh Kumar,^{§‡} Mahdieh Yazdani,[†] Vincent M. Rotello,[†] Rajesh
Ramanathan^{‡*} and Vipul Bansal^{‡*}*

[‡]Ian Potter NanoBioSensing Facility, NanoBiotechnology Research Laboratory (NBRL), School of Science, RMIT University, GPO Box 2476, Melbourne VIC 3000, Australia.

[†]Department of Chemistry, University of Massachusetts Amherst, 710 North Pleasant Street, Amherst, Massachusetts 01003, United States.

*E-mail: rajesh.ramanathan@rmit.edu.au; Phone: +61 3 9925 2887, Fax: +61 3 9925 3747.

*E-mail: vipul.bansal@rmit.edu.au; Phone: +61 3 9925 2121, Fax: +61 3 9925 3747.

[§]These authors contributed equally

Download English Version:

<https://daneshyari.com/en/article/4981799>

Download Persian Version:

<https://daneshyari.com/article/4981799>

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