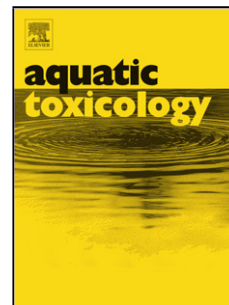


Accepted Manuscript

Title: Revisiting the mechanisms of copper toxicity to rainbow trout: time course, influence of calcium, unidirectional Na⁺ fluxes, and branchial Na⁺, K⁺ ATPase and V-type H⁺ ATPase activities

Author: M. Jasim Chowdhury Mina Girgis Chris M. Wood



PII: S0166-445X(16)30134-5
DOI: <http://dx.doi.org/doi:10.1016/j.aquatox.2016.05.009>
Reference: AQTOX 4387

To appear in: *Aquatic Toxicology*

Received date: 25-3-2016
Revised date: 11-5-2016
Accepted date: 15-5-2016

Please cite this article as: Chowdhury, M.Jasim, Girgis, Mina, Wood, Chris M., Revisiting the mechanisms of copper toxicity to rainbow trout: time course, influence of calcium, unidirectional Na⁺ fluxes, and branchial Na⁺, K⁺ ATPase and V-type H⁺ ATPase activities. *Aquatic Toxicology* <http://dx.doi.org/10.1016/j.aquatox.2016.05.009>

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.

Revisiting the mechanisms of copper toxicity to rainbow trout: time course, influence of calcium, unidirectional Na⁺ fluxes, and branchial Na⁺, K⁺ ATPase and V-type H⁺ ATPase activities

M. Jasim Chowdhury¹, Mina Girgis², and Chris M. Wood^{3*}

Department of Biology, McMaster University, 1280 Main Street West, Hamilton, Ontario,
Canada L8S 4K1

¹Present Address: International Lead Association, 2530 Meridian Parkway, Durham, NC 27713, USA

²Present Address: Dept of Cardiology, McGill University, RVH - Glen Campus, 1001 Boulevard Decarie, Montreal, QC, Canada H4A 3J1

³Present Address: Dept. of Zoology, University of British Columbia, 6270 University Boulevard, Vancouver, B.C., Canada V6T 1Z4

* Corresponding author: Chris M. Wood

Dept. of Zoology, University of British Columbia, 6270 University Boulevard, Vancouver, B.C., Canada V6T 1Z4

E-mail: woodcm@zoology.ubc.ca

Tel: 1-604-827-1576

Fax: 1-604-882-2416

Download English Version:

<https://daneshyari.com/en/article/6381976>

Download Persian Version:

<https://daneshyari.com/article/6381976>

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