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www.elsevier.com/locate/talanta

PII: S0039-9140(17)30691-4
DOI: <http://dx.doi.org/10.1016/j.talanta.2017.06.059>
Reference: TAL17678

To appear in: *Talanta*

Received date: 26 April 2017

Revised date: 19 June 2017

Accepted date: 20 June 2017

Cite this article as: Lorena Viviana Tarditto, María Alicia Zon, Hugo García Ovando, Nelio Roberto Vettorazzi, Fernando Javier Arévalo and Héctor Fernández, Electrochemical magneto immunosensor based on endogenous β Galactosidase enzyme to determine enterotoxigenic *Escherichia coli* F4 (K88) in swine feces using square wave voltammetry, *Talanta*, <http://dx.doi.org/10.1016/j.talanta.2017.06.059>

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Electrochemical magneto immunosensor based on endogenous β -Galactosidase enzyme to determine enterotoxigenic *Escherichia coli* F4 (K88) in swine feces using square wave voltammetry

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Abstract

Diseases caused by enterotoxigenic *Escherichia coli* F4 (K88) (ETEC F4) are a problem in swine production establishments. Due to the high rate of mortality and morbidity of *E. coli* infections, a rapid and accurate diagnosis is important in order to choose an appropriate treatment to reduce the economic impact. Therefore, an

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