

Author's Accepted Manuscript

A simple, fast and sensitive screening LC-ESI-MS/MS method for antibiotics in fish

Leticia Rocha Guidi, Flávio Alves Santos, Ana Cláudia S.R. Ribeiro, Christian Fernandes, Luiza H.M. Silva, Maria Beatriz A. Gloria



PII: S0039-9140(16)30845-1
DOI: <http://dx.doi.org/10.1016/j.talanta.2016.10.089>
Reference: TAL17009

To appear in: *Talanta*

Received date: 26 August 2016
Revised date: 22 October 2016
Accepted date: 24 October 2016

Cite this article as: Leticia Rocha Guidi, Flávio Alves Santos, Ana Cláudia S.R. Ribeiro, Christian Fernandes, Luiza H.M. Silva and Maria Beatriz A. Gloria, A simple, fast and sensitive screening LC-ESI-MS/MS method for antibiotics in fish, *Talanta*, <http://dx.doi.org/10.1016/j.talanta.2016.10.089>

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 a 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.

Letícia Rocha Guidi^{1,4}, Flávio Alves Santos², Ana Cláudia S. R. Ribeiro², Christian Fernandes³, Luiza H. M. Silva⁴, Maria Beatriz A. Gloria¹

¹ *LBqA – Laboratório de Bioquímica de Alimentos, Faculdade de Farmácia, Universidade Federal de Minas Gerais, Av. Antonio Carlos 6627, Belo Horizonte, MG, 31270-901, Brasil*

² *LANAGRO – Laboratório Nacional Agropecuário, Ministério da Agricultura, Pecuária e Abastecimento, 33600-000 Pedro Leopoldo-MG, Brasil*

³ *Laboratório de Controle de Qualidade de Produtos Farmacêuticos e Cosméticos, Faculdade de Farmácia, Universidade Federal de Minas Gerais, Av. Antonio Carlos 6627, Belo Horizonte, MG, 31270 901, Brasil*

⁴ *LAMEFI – Laboratório de Medidas Físicas, Faculdade de Engenharia de Alimentos, Universidade Federal do Pará, Belém, Pará, 66075-900, Brasil*

* Corresponding author at: *LBqA, Faculdade de Farmácia, Universidade Federal de Minas Gerais, Av. Antônio Carlos 6627, Belo Horizonte, MG, 31270-901, Brasil.*

E-mail address: mbeatriz@ufmg.br (M. Beatriz A. Gloria). Telephone: +55 31 3409 6926

Abbreviations: CC β , detection capability; CE, collision energy; CRLs, Community Reference Laboratories; CXP, collision cell exit potential; DP, declustering potential; ELISA, enzyme-linked immunosorbent assay; ESI, electrospray ionization; FDA, Food and Drug Administration; HFBA, heptafluorobutyric acid; HPLC, high-performance liquid chromatography; HRMS, high-resolution mass spectrometry; LC, liquid chromatography; LOD, limit of detection; MRL, maximum residue limit; MRM, multiple reaction monitoring; MS,

Download English Version:

<https://daneshyari.com/en/article/5141494>

Download Persian Version:

<https://daneshyari.com/article/5141494>

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