

## Accepted Manuscript

Title: Prevalence and molecular features of  
ESBL/pAmpC-producing Enterobacteriaceae in healthy and  
diseased companion animals in Brazil

Authors: Luana C. Melo, Cíntia Oresco, Lucianne Leigue,  
Hildebrando M. Netto, Priscilla A. Melville, Nilson R.  
Benites, Estelle Saras, Marisa Haenni, Nilton Lincopan,  
Jean-Yves Madec



PII: S0378-1135(18)30141-X  
DOI: <https://doi.org/10.1016/j.vetmic.2018.05.017>  
Reference: VETMIC 7977

To appear in: *VETMIC*

Received date: 31-1-2018  
Revised date: 13-5-2018  
Accepted date: 29-5-2018

Please cite this article as: Melo LC, Oresco C, Leigue L, Netto HM, Melville PA, Benites NR, Saras E, Haenni M, Lincopan N, Madec J-Yves, Prevalence and molecular features of ESBL/pAmpC-producing Enterobacteriaceae in healthy and diseased companion animals in Brazil, *Veterinary Microbiology* (2018), <https://doi.org/10.1016/j.vetmic.2018.05.017>

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.

# **Prevalence and molecular features of ESBL/pAmpC-producing Enterobacteriaceae in healthy and diseased companion animals in Brazil**

Running title: ESBL/pAmpC in Brazilian cats and dogs

Luana C. Melo<sup>1,2</sup>, Cíntia Oresco<sup>1</sup>, Lucianne Leigue<sup>1</sup>, Hildebrando M. Netto<sup>3</sup>, Priscilla A. Melville<sup>4</sup>, Nilson R. Benites<sup>4</sup>, Estelle Saras<sup>2</sup>, Marisa Haenni<sup>2\*</sup>, Nilton Lincopan<sup>1</sup>, Jean-Yves Madec<sup>2</sup>

<sup>1</sup> *Department of Microbiology, Institute of Biomedical Sciences, Universidade de São Paulo, São Paulo, Brazil*

<sup>2</sup> *ANSES, Laboratoire de Lyon, Unité Antibiorésistance et Virulence Bactériennes – Université de Lyon, France*

<sup>3</sup> *Center of Zoonosis Control, São Paulo, Brazil*

<sup>4</sup> *Department of Preventive Veterinary Medicine and Animal Health, Faculty of Veterinary Medicine, Universidade de São Paulo, São Paulo, Brazil*

\* Corresponding author

Tel: +33-4-78696830, Fax: +33-4-78619145, E-mail: [marisa.haenni@anses.fr](mailto:marisa.haenni@anses.fr)

## **Highlights**

- Brazilian dogs, and cats to a lesser extent, are an important reservoir of resistance determinants
- Saliva was proved to be a potential source of transmission of ESBL-producing Enterobacteriaceae
- ESBL/pAmpC were detected in 24.8% of stray cats/dogs and in 10.8% of diseased pets

Download English Version:

<https://daneshyari.com/en/article/8505211>

Download Persian Version:

<https://daneshyari.com/article/8505211>

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