## Accepted Manuscript

Title: Development of a real-time PCR assay for molecular identification and quantitation of Feline Morbillivirus RNA from biological specimens

Authors: Eliana De Luca, Paolo Emidio Crisi, Marco Di Domenico, Daniela Malatesta, Giacomo Vincifori, Morena Di Tommaso, Giovanni Di Guardo, Gabriella Di Francesco, Antonio Petrini, Giovanni Savini, Andrea Boari, Alessio Lorusso



PII: S0166-0934(18)30066-1

DOI: https://doi.org/10.1016/j.jviromet.2018.05.002

Reference: VIRMET 13461

To appear in: Journal of Virological Methods

Received date: 5-2-2018 Revised date: 9-4-2018 Accepted date: 2-5-2018

Please cite this article as: De Luca E, Crisi PE, Di Domenico M, Malatesta D, Vincifori G, Di Tommaso M, Di Guardo G, Di Francesco G, Petrini A, Savini G, Boari A, Lorusso A, Development of a real-time PCR assay for molecular identification and quantitation of Feline Morbillivirus RNA from biological specimens, *Journal of Virological Methods* (2010), https://doi.org/10.1016/j.jviromet.2018.05.002

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.

## ACCEPTED MANUSCRIPT

Title: Development of a real-time PCR assay for molecular identification and quantitation of Feline Morbillivirus RNA from biological specimens.

**Authors**: Eliana De Luca<sup>1,2</sup>, Paolo Emidio Crisi<sup>1</sup>, Marco Di Domenico<sup>2</sup>, Daniela Malatesta<sup>2</sup>, Giacomo Vincifori<sup>2</sup>, Morena Di Tommaso<sup>1</sup>, Giovanni Di Guardo<sup>1</sup>, Gabriella Di Francesco<sup>2</sup>, Antonio Petrini<sup>2</sup>, Giovanni Savini<sup>2</sup>, Andrea Boari<sup>1</sup>, Alessio Lorusso<sup>2\*</sup>

**Affiliation**: <sup>1</sup>Faculty of Veterinary Medicine, University of Teramo-Italy; <sup>2</sup>Istituto Zooprofilattico Sperimentale dell'Abruzzo e Molise (IZSAM), Teramo-Italy

\*Corresponding Author: Alessio Lorusso, e-mail: a.lorusso@izs.it, Tel: +390861332440, Fax: +390861332251.

#### **Highlights**

- A real time PCR has been designed for the detection of feline morbillivirus RNA from biological samples
- Primers and probe were designed to a conserved portion of the P/V/C gene
- The assay has been validated with specimens of cats including urine and tissue samples.
- The assay can detect up to 10 cRNA copies μL<sup>-1</sup>
- Low RNA titres were confirmed by visualization of viral antigen by IHC

### Download English Version:

# https://daneshyari.com/en/article/8747025

Download Persian Version:

https://daneshyari.com/article/8747025

<u>Daneshyari.com</u>