Accepted Manuscript

Title: Detection of foot-and-mouth disease virus in milk samples by real-time reverse transcription polymerase chain reaction: optimisation and evaluation of a high-throughput screening method with potential for disease surveillance

Authors: Bryony Armson, Valerie Mioulet, Claudia Doel, Mikidache Madi, Satya Parida, Karissa A. Lemire, Diane J. Holder, Amaresh Das, Michael T. McIntosh, Donald P. King



PII:	S0378-1135(18)30640-0
DOI:	https://doi.org/10.1016/j.vetmic.2018.07.024
Reference:	VETMIC 8031
To appear in:	VETMIC
Received date:	4-6-2018
Revised date:	27-7-2018
Accepted date:	27-7-2018

Please cite this article as: Armson B, Mioulet V, Doel C, Madi M, Parida S, Lemire KA, Holder DJ, Das A, McIntosh MT, King DP, Detection of foot-and-mouth disease virus in milk samples by real-time reverse transcription polymerase chain reaction: optimisation and evaluation of a high-throughput screening method with potential for disease surveillance, *Veterinary Microbiology* (2018), https://doi.org/10.1016/j.vetmic.2018.07.024

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

Detection of foot-and-mouth disease virus in milk samples by real-time reverse transcription polymerase chain reaction: optimisation and evaluation of a highthroughput screening method with potential for disease surveillance

Running head title: Detection of FMDV in milk

Bryony Armson^{1,2}, Valerie Mioulet¹, Claudia Doel¹, Mikidache Madi¹, Satya Parida¹, Karissa A. Lemire³, Diane J. Holder³, Amaresh Das³, Michael T. McIntosh³, Donald P. King¹.

¹The Pirbright Institute, Ash Road, Pirbright, Surrey, GU24 ONF, UK ²Institute of Biodiversity, Animal Health and Comparative Medicine, College of Medical, Veterinary & Life Sciences, Graham Kerr Building, University of Glasgow, G12 8QQ, UK ³Foreign Animal Disease Diagnostic Laboratory, National Veterinary Services Laboratories, Animal and Plant Health Inspection Services, US Department of Agriculture, Plum Island Animal Disease Center, Greenport, NY 11944, USA

Correspondence:

Bryony Armson

The Pirbright Institute, Ash Road, Pirbright, Surrey, GU24 0NF, UK

Tel: +44 (0)1483 232441

E-mail: <u>bryony.armson@pirbright.ac.uk</u>

Highlights

• FMDV was detected by rRT-PCR in milk up to 28 days post contact challenge.

Download English Version:

https://daneshyari.com/en/article/8505110

Download Persian Version:

https://daneshyari.com/article/8505110

Daneshyari.com