



# Agricultural Journals

*Czech Journal of*

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[home](#) [page](#) [about us](#) [contact](#)

[us](#)

## Table of Contents

### **IN PRESS**

**CJFS 2014**

**CJFS 2013**

**CJFS 2012**

**CJFS 2011**

**CJFS 2010**

**CJFS 2009**

**CJFS 2008**

**CJFS 2007**

**CJFS 2006**

**CJFS 2005**

**CJFS 2004**

**CJFS 2003**

**CJFS 2002**

**CJFS 2001**

**CJFS Home**

## **Editorial Board**

### **For Authors**

- **Authors Declaration**
- **Instruction to Authors**
- **Guide for Authors**
- **Copyright Statement**
- **Submission**

### **For Reviewers**

- **Guide for Reviewers**
- **Reviewers Login**

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### **Subscription**

# **Czech J. Food Sci.**

**Navrátilová P.,  
Borkovcová I.,**

**Vymarkova J., Vohnova L.:**

## **Fluoroquinolone residues in raw cow's milk**

Czech J. Food Sci., 29 (2011): 641-646

The aim of the study was to monitor the levels of fluoroquinolone residues in bulk samples of raw cow's milk. The bulk samples of raw cow's milk ( $n = 150$ ) were obtained from 58 different milk suppliers in the South Moravian and Vysočina Regions. The samples were analysed by reverse phase high-performance liquid chromatography method with fluorescence detection and gradient elution. 87.3% of the raw milk samples were positive for the fluoroquinolones residues. Flumequine was present in none of the samples. The levels of other fluoroquinolones investigated were below the recommended maximum residue limit. The results of the study indicate that fluoroquinolones are frequently

the recommendations of CVMP. The most frequently determined was enrofloxacin and its indicator residue, i.e. ciprofloxacin