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



[us](#)

Table of
Contents

**VETMED
2015**

**VETMED
2014**

**VETMED
2013**

**VETMED
2012**

**VETMED
2011**

**VETMED
2010**

**VETMED
2009**

**VETMED
2008**

**VETMED
2007**

**VETMED
2006**

**VETMED
2005**

**VETMED
2004**

**VETMED
2003**

**VETMED
2002**

**VETMED
2001**

**VETMED
Home**

**Editorial
Board**

For Authors

- **Authors
Declaration**
- **Instruction
to Authors**
- **Guide for**

Authors

▪ **Fees**

▪ **Submission**

Subscription

Veterinarni Medicina

Bactericidal efficacy of two disinfectants against *Brachyspira hyodysenteriae* and one feed supplement against *B. hyodysenteriae* and *B. pilosicoli*

D. Lobova, A. Cizek

Veterinarni Medicina, 49 (2004): 156-160

[[fulltext](#)]

In vitro tests were used to evaluate bactericidal efficacy of two disinfectants on the basis of peroxygen compounds against one type strain and one field isolate of *B. hyodysenteriae*. Mean bactericidal concentrations (MBCs) of the two products ascertained with and without the load of organic matter of sterile pig faeces were several times lower than the recommended application concentrations. Bactericidal efficacy of an extract of citric seeds (feed supplement) against type strains of *B. hyodysenteriae* and *B. pilosicoli*, with six field isolates of *B. hyodysenteriae* and three field isolates of *B. pilosicoli* was also demonstrated, and its MBCs were determined. It was further determined that after 10 minutes exposure of 10% sterile pig faeces to field isolate and type strain of *B. hyodysenteriae* the efficacy of both disinfectants was 16 times higher than the concentration recommended by the manufacturer. The bactericide effect of citrus fruit extracts was exhibited at 0.05% concentrations after 5 min exposure, which is the same as recommended by the manufacturer.

Keywords:

swine dysentery; porcine intestinal spirochetosis; disinfectants

[[fulltext](#)]

