



Agricultural Journals

Czech Journal of
FOOD SCIENCES

[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**

Subscription

Czech J. Food Sci.

**Bunešová V., Vlková
E., Rada V., Hovorková**

**P., Kocikova S., Kmet
V.:**

Direct identification of bifidobacteria from probiotic supplements

Czech J. Food Sci., 32 (2014): 132-136

The DNA of 14 probiotic supplements was isolated directly from various products without previous cultivation. The bifidobacteria composition declared by the manufacturer was determined by species-specific PCR. Such species found were in accordance with those listed on the products. This approach can be performed in less than 5 h and is applicable to other genera of probiotic bacteria.

Bifidobacteria were also detected by culture-dependent analysis and MALDI-TOF MS.

These methods drew the same results; however, they are more expensive and time consuming. So, we propose direct identification of bifidobacteria for routine quality control inspections of species composition in probiotic supplements.

Keywords:

Bifidobacterium; species-specific
identification

[[fulltext](#)]

© 2011 Czech Academy of Agricultural
Sciences

XHTML11 VALID

CSS VALID