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Czech J. Food Sci.

**Shitaye J.E.,
Horvathová A.,**

**Bartošová L.,
Morávková M.,
Kaevska M., Donnelly
N., Pavlík I.:**
**Distribution of non-
tuberculosis
mycobacteria in
environmental
samples from a
slaughterhouse and in
raw and processed
meats**

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The notification of all cases of diagnosed bovine tuberculosis is a statutory requirement, while the same is not true for other mycobacterial infections. Thus, the establishment of the true incidence of infection with non-tuberculous mycobacteria (NTM) is difficult. The aim of this study was to describe the incidence of NTM in environmental

samples from a pig slaughterhouse and from raw and processed meat samples collected from supermarkets and butchers. Three species of mycobacteria (*M. chelonae*, *M. kansasii*, and *M. intermedium*) were detected in 8.0% of the environmental samples from a pig slaughterhouse and in 9.3% of raw and 7.7% of processed meat, respectively. The isolation of a single NTM species from these samples is a disturbing finding and means that raw meat may be a potential pathway for the transmission of NTM infections to humans.

Keywords:

mycobacteria; meat; food safety; zoonosis

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