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# **Czech J. Food Sci.**

**Z. Šmídová, M.**

**Blažková, L. Fukal, P.**

**Kačič.**

# **Pesticides in Food – Immunochemical Detection of Thiabendazole and Methiocarb**

Czech J. Food Sci., 27 (2009): S414-  
S416

In this work preliminary studies on application of immunochemical method to detection of pesticides in food samples, in particular fruit juices, are presented. The aim was to develop immunochemical technique on a porous membrane for rapid detection of the pesticides thiabendazole and methiocarb in fruit juices. For detection colloidal carbon conjugated with secondary antibody was used. The tests were evaluated visually. Our results show that in the fruit juices samples examined the detection limit for thiabendazole covered the MRL (maximum residue limit) for food of plant origin established by the legislative and for methiocarb the method

decrease the detection limit below the MRL.

**Keywords:**

immunoassay; pesticide; thiabendazole; methiocarb; antibody

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