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The comparison of the methods for the identification of pathogenic serotypes and biotypes of *Yersinia enterocolitica*: Microbiological methods and PCR

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In this study, pathogenic strains of *Y. enterocolitica* were identified by microbiological and PCR methods. The samples were collected from pigs, cattle, poultry, and slaughter houses. Three common techniques were used to isolate *Y. enterocolitica* from the samples – ITC PSB, and direct on the CIN. Primers A1/A2, Y1/Y2, and *rfbC* 1/*rfbC* 2 were used for the specific detection of the pathogenic strains of *Y. enterocolitica.* Traditional microbiological methods were found to be insufficient for the specific identification of the *Y. enterocolitica*

was able to detect 149 strains, the biochemical test could detect only 138 species. These results show that the use of biochemical methods of cultivation did not allow the identification of all *Y. enterocolitica* pathogens. In total, 149 strains of pathogenic *Y. enterocolitica* were examined of which 120 were from