SELECTION OF ISOLATED SALMONELLA STRAINS AND ADJUVANTS FOR INACTIVATED VACCINE PRODUCTION

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Summary. In the period of 1993–1997 the Department of Bacteriology and Parasitology isolated 61 Salmonella strains from the organisms of adult pigs and piglets on pig-breeding farms in 26 Lithuanian districts. The investigation included the analysis of their vitality, changeability of species, antigenic and immunogenic properties. Only 7 stable, nontoxic, virulent and immunogenic Salmonella strains were selected. Their toxicity was determined by an experimental infection of white mice. Immunogenic properties were investigated on rabbits. They were vaccinated with aluminium hydroxide and oil-in-water adjuvant Emulsigen. The results obtained show that some of the epizootic items do not meet the standarts. Among several adjuvants tested the optimal results were obtained with the commercial adjuvant Emulsigen.

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