

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*.

Keywords: *Salmonella*, adjuvants, vaccina.