

PROBLEMATIC ASPECTS OF THE STUDY ANTIBACTERIAL IN POULTRY PRODUCTS.

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***Enzyme immunoassay (ELISA), liquid chromatography (LC-MS/MS),
poultry, monitoring, anti-bacterial substance.***

The results of the researches of muscle and liver of poultry three brands on the production of poultry in Ukraine for residues of antibacterial drugs by enzyme immunoassay

(ELISA) and liquid chromatography (LC-MS/MS). Recommendations were made for changes to the plan of government monitoring of residues of veterinary drugs and other contaminants in alive animals and unprocessed foods of animal origin and selection rules for poultry research. Purpose - to examine muscle and liver of poultry three brands for the production of broiler chickens in Ukraine remains antimicrobials by enzyme immunoassay (ELISA) and liquid chromatography (LC-MS / MS). To analyze the data, make recommendations for amendments to the Plan state monitoring veterinary residues and other contaminants in live animals, raw foods of animal origin and selection rules for poultry research.

Materials and methods. Determination of residual amounts antibacterial drugs in samples of broiler muscle and liver was performed by ELISA on enzyme-linked immunosorbent analyzer «Tecan Sunrise» (production company «Sunrise», Austria) using test kits for competitive ELISA RIDASCREEN® (production company R-Biopharm, Germany). Investigation of antibacterial substances was performed by liquid chromatography with dual detector mass spectrometry on liquid chromatograph WATERSLC-MS-MSACQUITYTQP.