
Abstract
The immunomodulatory properties of Lactobacillus delbrueckii subsp. bulgaricus IMVB-7281, Lactobacillus casei IMV B-7280, Lactobacillus acidophilus IMV B-7279, Bifidobacterium animales VKL and B. animales VKB strains on the models of experimental staphylococcosis infection in mice were determined. It was found that after the mice, infected with staphylococcus, were treated by some probiotic strains of lacto- and bifidobacteria, a normalization of functional activity of phagocytic cells system and increase of the endogenous interferon production were observed. L. delbrueckii subsp. bulgaricus IMVB-7281, L. casei IMVB-7280, L. acidophilus IMV B-7279, B. animales VKB and B. animales VKL are promising for the development of probiotics, effective against staphylococci and for the immunity correction.