

ANTITUMOR ACTIVITY OF GLYCOPROTEINS OF BACILLUS SUBTILIS AB-56, STAPHYLOCOCCUS AUREUS AND ANTITUMOR VACCINES, DEVELOPED ON THE BASIS OF THESE SUBSTANCES

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Summary. There was isolated a glycoprotein with sarcoma-37 cells cytotoxic properties from cultural fluid of *B. subtilis* AB-56. Autologous vaccine, developed from this substance, causes pronounced antitumor effect. While using this vaccine in treatment of *Balb/c* mice with inoculated sarcoma-37, we registered a tumor grows inhibition and extended mean survival of rodents. A compa-

risson of the efficacy of this vaccine with the one, containing *S. aureus* glycoprotein, and other vaccines, prepared on the basis of these substances support the specificity of antitumor activity of *B. subtilis* AB-56 glycoproteid.

Key words: *B. subtilis* AB-56, autovaccine, antitumor activity, cytotoxicity, glycoprotein, *S. aureus*, neuraminidase activity

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