

## **THE INFLUENCE OF NEW MEDICINES FROM THE DRONE BROOD AND THE MOTH LARVAE OF BEE ON THE BODY'S DEFENSES**

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The larvae of drone brood and bee moth are beekeeper products, which are used as raw materials for the development of new medicines will broad-spectrum pharmacological action. In folk medicine, medicines of the moth larvae of bee and the drone brood are used to treat cardiovascular diseases (ischemia, angina, heart attack, etc.), the respiratory system, tuberculosis, inflammation of the joints, lymph nodes, prostate, prostate adenoma, menopause, infertility in women and other diseases. On department pharmacy-basis technology of drugs from biomass drone brood larvae obtained the freeze-dried substance. On the basis the moth larvae of bee developed tincture. New medicines having antimicrobial, antiinflammatory, antioxidant action. The breadth of the pharmacological effects of medicines due to a variety of biologically active compounds, as contained in beekeeper products, includes the larvae of drone brood and bee moth. From scientific sources people knows, that the using of beekeeper products in food increases the protective forces of the body due to their positive effect, of the immune system.

The objective of this work studies the effect of the influence of new medicines on the immune system. The influence of medicinal substances on cellular immunity use the reaction of delayed type hypersensitivi. Also studied the effect of tinctures and lyophilized powder for humoral immunity (the number of spleen cells antibody producers purebred mice's and hemagglutinin titer of serum blood). This method of determination of antibodies in the serum agglutination test lies.

Studies to assess the actions immunotropic infusion of moth larvae bee indicate that the medicines tends to increase the functional activity of T-lymphocytes in delayed-type hypersensitivity, increased the number of spleen antibody producers and increasing hemagglutinin titer. The results of scientific studies have shown that freeze-dried substance drone brood has a strong immunomodulating-cial action. Substance stimulates T-cell responses immuno-eignty and production of antibody producers spleen. In tincture of biomass moth larvae bee this biological asset-ness is less pronounced. Performed experimental studies showed a trend of positive influence of bee moth larvae tinctures for immunity. The results can be used to study of this mechanism action new medicines. Lyophilized Nye substance from biomass drone brood can be used in the development of new medicines to enhance the body's defenses therapeutic and preventive action.