

THE SOFT MEDICINAL FORMS WITH BIOLOGICAL ACTIVE SUBSTANCES

Tronko K. O., Yuryeva P. I., Ivakhnenko E. L., Strelnikov L. S.
National University of Pharmacy, Kharkiv, Ukraine
tronkok23@gmail.com

Introduction. The soft medicinal forms are widely used in various fields of medicine, namely, dermatology, surgery, ophthalmology, gynecology and in cosmetology. In accordance with the State Pharmacopoeia Ukraine to soft medicinal forms include ointments, creams, pastes, gels, liniments, suppositories, patches. Of particular interest are ointments and creams that are applied externally and can provide both local resorptive effect on the body as a whole. Used for the prevention and diagnosis of various diseases.

Results and discussion. Ointments are widely used for topical application, for the prevention and treatment of wounds. They consist of an ointment base and the active ingredient. Creams are dispersed system, which are emulsion "water in oil" or "oil in water". In the structure may contain medicinal substances, fats, vitamins, oils and other. Vegetable oils that are part of ointments and creams nourish and moisturize the different layers of the skin. To date, the production of soft medicinal forms on the basis of biologically active substances involved in a variety of cosmetic and pharmaceutical companies. As a raw material is used purified water, glycerin as a wetting agent, preservatives, and oils for food and enrichment with vitamins and other skin nutrients. Nowadays promising are ointments and creams with prebiotic and probiotic ingredients. Cream with probiotics universal that are suitable for all skin types and all ages. The cream has a soothing and regenerating effect. To date, there are only a cream with lysates of probiotic microorganisms. Lysate - a product that results from the splitting into fractions of bacterial cells (cell wall and its intracellular content). Lysates contain large amounts of vitamins, free amino acids, polysaccharides, peptides, also save pH level. These useful components create a suitable environment for the breeding of normal microflora on the surface of the dermis. They increase the level of regeneration and repair, deeply moisturize, improve skin tone and stimulates collagen synthesis and are used to eliminate edema. Lysates of probiotics today are an innovation among cosmetics. Since they are natural and ecological basis of their properties and positive effect on the skin and significantly improves its condition. It is known that living forms of probiotics have not yet used for the manufacture of soft medicinal forms, which is associated with the complexities of the process of their production.

Conclusion. Therefore, the production of soft medicinal forms containing live probiotic microorganisms, is relevant today.