

Article based on the report at the conference "Modern problems of chemical technology of biologically active substances." D.I. Mendeleev MUCTR. 26.05.2016.

Publication is available for discussion in the framework of the on-line Internet conference "Butlerov readings".

<http://butlerov.com/readings/>

Submitted on July 26, 2016.

## **Manufacturing technology of dosage forms used in the treatment of severe infections: pneumonia, sepsis, skin and soft tissue infections**

© **Oksana V. Baklykova,\*<sup>+</sup>** and **Grigory V. Avramenko**

*Department of Technology of Chemico-Pharmaceutical and Cosmetic Substances. D. Mendeleev University of Chemical Technology of Russia. Miusskaya Sq., 9. Moscow, 125047. Russia.*

*Phone: +7 (917) 585-49-96. E-mail: Baklykova.O.V@mail.ru*

\*Supervising author; <sup>+</sup>Corresponding author

**Keywords:** polymyxin, cyclicpeptide, fusidicacid, tetracyclitriterpenoid, skin and soft tissue infections, clinical use, production scheme, aseptic production.

### **Abstract**

The article is devoted to the technology of production of sterile medicinal products. Special requirements are imposed on the production of sterile medicinal products in order to minimize the risk of contamination by micro-organisms, particles and pyrogens according to the literature. The provisions depend on the qualification of personnel involved in the production, its training and attitude towards work. The author studied the technology of production of drugs under aseptic conditions and proposed new technological approaches and solutions.