

Development of sterilization technology of hydrogel medical materials based on sodium alginate

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Abstract

The article is devoted to the development of sterile medical materials from polymers-polysaccharides with impregnated drugs which are used for the targeted delivery of drugs into the damaged tissue. We have studied the effect of the polysaccharide – sodium alginate on the rheological characteristics of the materials after sterilization. The influence of additives of potassium sorbate and pectin and different kinds of medical materials sterilization on the rheological properties of the material has been revealed.