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## Electrospinning of ultrafine fibers from solutions of amino-containing polymers

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## **Abstract**

The possibility of obtaining ultrafine fibers by the electrospinning from the amino-containing poly(alkylmethacrylate) esters Eudragit E in organic solvents and in aqueous solutions of acetic acid was shown. The optimization of the electrospinning was carried in installation for spinning Nanospider TM. When electrospinning solutions in binary solvent ethanol – chloroform (60:40) there were obtained fibers with thickness 0.5-1.0 microns. It has been found that the use of aqueous acetic acid resulted in more fine fibers. Nanosized fibers were prepared from 17-22% solutions of Eudragit E in 70% acetic acid. The possibility of spinning chitosan-containing fibers from the mixture of chitosan and Eudragit E was shown.