

The invention relates to the field of medicine and pharmaceuticals, namely to processes for producing polymeric materials with antibacterial properties that can be used in the field of medicine.

The process, according to the invention, consists in producing a polymeric material with antibacterial properties by direct interaction of chlorhexidine solution in chloroform with a concentration of 10% with a styrene:butadiene copolymer, maleic anhydride solution with a concentration of 5% at a temperature of 60-70°C for 4 hours, to produce a material with a content of 3-6 wt.% of chlorhexidine.

The technical result of the invention consists in reducing the synthesis time and cost saving by 4-5 times of the produced polymer material, which forms films of a thickness of up to 100 µm.

Claims: 1

Fig.: 1