

BIOCOMPATIBLE POLYMER MATERIALS FOR MEDICAL APPLICATION



Biocompatible polymer material for treatment of infected wounds and burns

Areas of Application

The materials are to be used at medical establishments for treatment wounds, burns, and trophic ulcers

Advantages

As compared with the foreign analogs, the materials have a prolonged antibacterial activity and enable to control the rate of release of biologically active compounds

Specification

Antibacterial activity towards anaerobic microorganisms: diameter of inhibited growth areas, mm	17–20
Antibacterial activity towards aerobic microorganisms: diameter of inhibited growth areas, mm	14–17
Water sorption, %	12–20
Rupture stress, MPa	5.5–6.2
Rupture elongation, %	102–110
Release of BAC after 1 day, %	28
Release of BAC after 14 days, %	40

Stage of Development. Suggestion for Commercialization

IRL4, TRL5
Seeking partners for further clinical trials and manufacture of materials

IPR Protection

IPR3

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