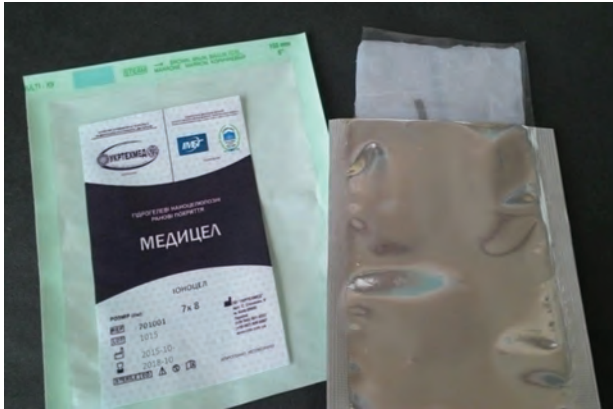
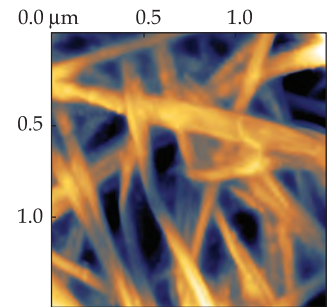


MEDICEL NANOCELLULOSE WOUND AND BURN HEALING HYDROGELS



Hydrogel cellulose dressing



Nanofibrils of bacterial cellulose

◀ Application of cellulose hydrogels instead of gauze

Areas of Application

The *MEDICEL* products are wound dressings for the treatment of skin injuries and burns in both field and clinical conditions. The dressings provide a repair of damaged tissue, anti-inflammatory, hemostatic, anesthetic actions, and transdermal delivery of drugs

Specification

The *MEDICEL* products are manufactured in the form of flexible sterile nonwoven cellulose-based hydrogel dressings of two types (microcidic and hemostatic). They have a thickness of 1.8–2.4 mm and a size of 2 × 15, 5 × 8, and 14 × 20 cm; a high moisture-retaining (99%) and sorption capacity as well as a high steam and gas permeability

Advantages

The *MEDICEL* wound dressings are atraumatic and painless dressings as compared with the gauze. The cellulose hydrogels take the shape of the wound and cover it tightly; they are biocompatible, nontoxic, and biodegradable as compared with the chemical ones. The *MEDICEL* products match the foreign analogs, but have a lower cost

Stage of Development. Suggestion for Commercialization

IRL7, TLR6
At this stage, the product and production technology are fully prepared for launching a pilot line

IPR Protection

IPR3

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