

Histo-equivalent bioplastic material

Abstract

The invention relates to medicine and specifically to combustiology, to surgery, and to cosmetology and can be used as a bioplastic material for replacing defects in epithelial tissues (protecting against evaporation and infection) and for stimulating regeneration. The technical result is increased efficacy in healing wounds. The goal is achieved in that a histo-equivalent bioplastic material is used which includes a substrate in the form of a matrix, the material for which is a native form of hyaluronic acid, distinguished in that the histo-equivalent bioplastic material contains a 1.5% solution of hyaluronic acid and a 5% solution of a peptide complex which are mixed until a viscous elastic gel is formed, situated in the foundation and subjected to ultraviolet photopolymerization in a biosafety cabinet over the course of 5-7 hours at the following quantitative ratio in ml: 1.5% solution of hyaluronic acid solution: 80-90%; 5% solution of peptide complex: 10-20%; the finished material has perforations and notches.