

## ABSTRACT

## METHOD AND DEVICE FOR PREPARING AN IMPLANT OBTAINED FROM A CULTURE OF STEM CELLS

The invention relates to a method for preparing an implant comprising a culture of cells on a membrane, the method comprising steps that consist of: securing the membrane to a mounting (30); placing the membrane in a recess (16) of a housing (10, 20) providing two spaces having adjusted heights, above and below the membrane; injecting, into the spaces, a liquid capable of transforming into gel at a transport temperature lower than an injection temperature of the liquid; and bringing the housing to the transport temperature, so as to form an implant comprising the membrane and two layers of gel having adjusted thicknesses, on two opposite faces of the membrane, respectively.