TITLE OF INVENTION: DEVICE AND METHOD FOR MICROFLUIDICS-BASED 3D BIOPRINTING

ABSTRACT

The present invention relates to a device and a method for building a 3D object by mixing a bioink solution, a buffer solution capable of inducing gelation of the bioink solution and a dispersion containing micro and/or nanoparticles, and ejecting the formed hydrogel out of a nozzle. The present invention further relates to a method of obtaining a hydrogel.

Fig. 1A