METHOD FOR PREPARING POROUS SCAFFOLD FOR TISSUE ENGINEERING, CELL CULTURE AND CELL DELIVERY

Abstract

The present invention relates to a method for preparing a porous scaffold for tissue engineering. It is another object of the present invention to provide a porous scaffold obtainable by the method as above described, and its use for tissue engineering, cell culture and cell delivery. The method of the invention comprises the steps consisting of: a) preparing an alkaline aqueous solution comprising an amount of at least one polysaccharide, an amount of a cross-linking agent and an amount of a porogen agent b) transforming the solution into a hydrogel by placing said solution at a temperature from about 4°C to about 80°C for a sufficient time to allow the cross-linking of said amount of polysaccharide and c) submerging said hydrogel into an aqueous solution d) washing the porous scaffold obtained at step c).

(no suitable figure)