"CLEAVABLE CELLULOSIC SPONGE DEVELOPMENT FOR 3 DIMENSIONAL CELL CULTURE AND SPHEROIDS RETRIEVAL"

Abstract

A method of making a scaffold for 3 dimensional cell culture comprising the steps of conjugating a reducible disulfide bond onto a hydroxyl group at the side chain of a hydroxypropyl cellulose; forming a matrix of hydroxypropyl cellulose having the reducible disulfide bond conjugated onto the hydroxyl group such that a reducible disulfide bond exists adjacent to a double bond for crosslinking the matrix of hydroxypropyl cellulose. The scaffold and a system of using the scaffold for culturing 3 dimensional cell spheroids.

Figure 1