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3D Scaffolds Fabricated by Microfluidic Device for Rat Cardiomyocytes Observation

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Abstract : Microfluidic devices have recently emerged as promising tools for the fabrication of scaffolds for cell culture. To mimic the natural circumstances of organism for cells to grow, here we present three-dimensional (3D) scaffolds fabricated by microfluidics for cells cultivation. This work aims at investigating the behavior in terms of the viability and the proliferation capability of rat H9c2 cardiomyocytes in the gelatin 3D scaffolds by fluorescent images.

Keywords : microfluidic device, H9c2, tissue engineering, 3D scaffolds
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