

Title (en)

NANOLITER-SCALE SYNTHESIS OF ARRAYED BIOMATERIALS AND SCREENING THEREOF

Title (de)

SYNTHESE VON IN EINEM ARRAY ANGEORDNETEN BIOMATERIALIEN IM NANOLITERMASSSTAB UND SCREENING DAVON

Title (fr)

SYNTHESE, A L'ECHELLE DU NANOLITRE, DE BIOMATERIAUX EN RESEAUX ET CRIBLAGE DE CEUX-CI

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Application

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Abstract (en)

[origin: WO2005028619A2] A population of embryonic epithelial cells produced in vitro from embryonic stem cells. In one embodiment, at least 45% of the cells express cytokeratin, for example, cytokeratin-7. A method of screening cell-polymer interactions. The method includes depositing monomers as a plurality of discrete elements on a substrate, causing the deposited monomers to polymerize, thereby creating an array of discrete polymer elements on the substrate, incubating the substrate in a cell-containing culture medium, and characterizing a predetermined cell behavior on each polymer element.

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