

Title (en)

CELL CULTURE APPARATUS, METHOD FOR PRODUCING THE APPARATUS AND CELL CULTURE METHOD

Title (de)

ZELLKULTURVORRICHTUNG, VERFAHREN ZUR HERSTELLUNG DER VORRICHTUNG UND ZELLKULTURVERFAHREN

Title (fr)

DISPOSITIF DE CULTURE CELLULAIRE, PROCÉDÉ DE FABRICATION DU DISPOSITIF, ET PROCÉDÉ DE CULTURE CELLULAIRE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2007147389A1] The invention relates to a cell culture apparatus for cells, characterized by a surface composed of an unstructured elastomer. It is thus possible for cells to be cultured under close to natural conditions in relation to their environmental elasticity. A method for producing an apparatus according to the invention is disclosed, as is a cell culture method using such an apparatus.

IPC 8 full level

C12N 5/00 (2006.01)

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Citation (search report)

See references of WO 2007147389A1

Citation (examination)

- GOFFIN JEROME M ET AL: "Focal adhesion size controls tension-dependent recruitment of alpha-smooth muscle actin to stress fibers", JOURNAL OF CELL BIOLOGY, vol. 172, no. 2, January 2006 (2006-01-01), pages 259 - 268, ISSN: 0021-9525
- BROWN X Q ET AL: "Evaluation of polydimethylsiloxane scaffolds with physiologically-relevant elastic moduli: interplay of substrate mechanics and surface chemistry effects on vascular smooth muscle cell response", BIOMATERIALS, ELSEVIER SCIENCE PUBLISHERS BV., BARKING, GB, vol. 26, no. 16, 1 June 2005 (2005-06-01), pages 3123 - 3129, XP025280622, ISSN: 0142-9612, [retrieved on 20050601]
- LEE J N ET AL: "Compatibility of mammalian cells on surfaces of poly(dimethylsiloxane)", LANGMUIR 20041221 AMERICAN CHEMICAL SOCIETY US, vol. 20, no. 26, 21 December 2004 (2004-12-21), pages 11684 - 11691
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Citation (third parties)

Third party :

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- BROWN X.Q.; OOKAWA K.; WONG J.Y.: "Evaluation of polydimethylsiloxane scaffolds with physiologically-relevant elastic moduli: interplay of substrate mechanics and surface chemistry effects on vascular smooth muscle cell response", BIOMATERIALS, vol. 26, no. 16, 1 June 2005 (2005-06-01), pages 3123 - 3129, XP025280622
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