

Title (en)

SYSTEM AND METHOD FOR THE CLONAL CULTURE OF EPITHELIAL CELLS AND APPLICATIONS THEREOF

Title (de)

SYSTEM UND VERFAHREN ZUR KLONALEN KULTUR VON EPITHELZELLEN UND ANWENDUNGEN DAVON

Title (fr)

SYSTEME ET PROCEDE DE CULTURE CLONALE DE CELLULES EPITHELIALES ET LEURS APPLICATIONS

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Application

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Abstract (en)

[origin: WO2009103731A1] The invention relates to means and methods for evaluating and using the specific properties of a particular epithelial cell present in a biological sample. Accordingly, the invention relates to a system for the culture of epithelial cells, in which at least one clonal culture is sown with a single epithelial cell directly extracted from a biological sample of epithelial tissue. The invention also relates to a method for the culture of epithelial cells, that particularly comprises the production of clonal cultures, each being sown with a distinct and unique epithelial cell directly extracted from a biological sample of epithelial tissue, the evaluation of the cellular growth in the clonal cultures, and advantageously the analysis of the capacity of the cellular material from the clonal cultures to reconstruct a three-dimensional epithelium representative of native tissue. The invention is adapted for the parallel implementation of a very large number of clonal cultures, in particular for making large-scale tests.

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Citation (search report)

See references of WO 2009103731A1

Citation (examination)

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