

Title (en)  
METHOD AND DEVICE FOR THE IN VITRO CULTIVATION OF CELLS

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR IN VITRO VERMEHRUNG VON ZELLEN

Title (fr)  
PROCEDE ET DISPOSITIF DE CULTURE CELLULAIRE IN VITRO

Publication  
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Application  
**EP 02758026 A 20020829**

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Abstract (en)  
[origin: WO03020871A2] The invention relates to a method for the in vitro cultivation of cells, which grow on a culture surface. According to the invention, the cells are sown on culture surfaces (1) and are cultivated in a culture medium, whereby the culture surface is continually or periodically expanded, without being removed from the culture medium. To expand the culture surface, the cells are not detached from the culture surface and the culture surface between the cells is expanded. However, at least part of the cells can be detached and the culture surface can be expanded by the flooding of additional culture surface areas. The culture surface of an example device for said cell cultivation consists of one side of an expanding membrane (6), which is expanded by modifying the pressure on the other side. Said cell cultivation can be carried out without manual passaging. The cells are subjected to less stress than in known cell cultivation methods and said method can be automated more easily.

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