Title (en)

CELL CULTURE CHAMBER AND METHOD FOR CULTIVATING CELLS AND FOR IN VITRO PRODUCTION OF CELL LAYERS AND ORGAN MODELS

Title (de)

ZELLKULTURKAMMER UND VERFAHREN ZUR KULTIVIERUNG VON ZELLEN UND ZUR IN VITRO HERSTELLUNG VON ZELLSCHICHTEN UND ORGANMODELLEN

Title (fr)

CHAMBRE DE CULTURE CELLULAIRE ET PROCÉDÉ DE MISE EN CULTURE DE CELLULES ET DE PRODUCTION IN VITRO DE COUCHES CELLULAIRES ET DE MODÈLES D'ORGANES

Publication

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Application

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Abstract (en)

[origin: WO2022195124A1] The invention relates to a cell culture chamber (1) for in-vitro production and cultivation of cell layers and organ models, having two permeable first and second channels (3, 4) which are arranged one above the other and are separated from one another by a porous membrane (8) having two lateral faces, one cell substrate (9, 10) each being formed by the lateral faces of the membrane (8). The cell culture chamber (1) is characterised in that at least the inner walls of the first and the second channels (3, 4) consist of polybutylene terephthalate (PBT). The invention further relates to a method for cultivating human or animal cells, in particular liver sinusoidal endothelial cells, alone and in co-culture with hepatocytes and immune cells.

IPC 8 full level

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