Title (en)

NOVEL PROCESS FOR DETACHING CONFLUENT CELLS FROM TWO DIMENSIONAL MICROSUPPORTS AND ITS APPLICATION FOR PREPARING TRANSPLANTS

Title (de)

NEUES VERFAHREN ZUR ABLÖSUNG KONFLUENTER ZELLEN VON ZWEIDIMENSIONALEN MIKROTRÄGERN UND DESSEN ANWENDUNG ZUR HERSTELLUNG VON TRANSPLANTATEN

Title (fr)

PROCEDE NOUVEAU POUR DETACHER DES CELLULES CONFLUENTES DE MICROSUPPORTS BIDIMENSIONNELS ET SON APPLICATION POUR PREPARER DES TRANSPLANTATIONS

Publication

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Application

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Abstract (en)

[origin: WO2004078956A2] The present invention relates to a process for detaching confluent anchoragedependent cells (ADCs') from two-dimensional microsupports (2D-MS) onto which these ADCs' are cultivated, particularly ADCs' which can be cultivated in a state suitable for transplantation, such as ADCs' derived from pancreatic cells. The invention further relates to a process for preparing reconstituted organoids from such detached confluent ADCs', which can be immortalized, according to the invention. The invention also relates to the use of organoids obtained by the process according to the invention for screening cell activity modulator or as therapeutic transplant for their administration in patients in need of such treatment. Finally, the present invention relates to a method for preventing or treating diabetes wherein pancreatic cells-derived organoids according to the invention are transplanted in a patient in need of such treatment.

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