

Title (en)
CULTURING PANCREATIC STEM CELLS HAVING A SPECIFIED, INTERMEDIATE STAGE OF DEVELOPMENT

Title (de)
KULTUR VON PANKREATISCHEN STAMMZELLEN MIT SPEZIELLEM, INTERMEDIÄREM ENTWICKLUNGSSTADIUM

Title (fr)
CULTURE DE CELLULES EMBRYONNAIRES PANCREATIQUES PRESENTANT UN STADE DE DEVELOPPEMENT INTERMEDIAIRE SPECIFIE

Publication
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Application
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- US 21563400 P 20000630
- US 24630600 P 20001106

Abstract (en)
[origin: WO0202750A1] This invention relates to the discovery that an intermediate, differentiated stage of pancreatic stem cells exist that can be propagated in a stable manner in successive serial passaging while maintaining insulin production in response to glucose. These cells are advantageous in that they are both expandable and stable in culture and can driven to late stage development, <i>i.e.</i> prototype islet cells. This invention further provides for culturing techniques that select for these intermediate differentiated stage cells and selectively eliminates early or late stage pancreatic cells.

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C12N 5/00; C12N 5/08

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CPC (source: EP)
C12N 5/0676 (2013.01); **C12N 2501/305** (2013.01)

Citation (search report)

- [A] WO 9715310 A1 19970501 - UNIV FLORIDA [US]
- [PXD] WO 0078929 A1 20001228 - JOSLIN DIABETES CENTER INC [US], et al
- [PAD] PECK A B ET AL: "PANCREATIC STEM CELLS: BUILDING, BLOCKS FOR A BETTER SURROGATE ISLET TO TREAT TYPE 1 DIABETES", ANNALS OF MEDICINE, FINNISH MEDICAL SOCIETY DUODECIM, HELSINKI, FI, vol. 33, no. 3, April 2001 (2001-04-01), pages 186 - 192, XP009006630, ISSN: 0785-3890
- See references of WO 0202750A1

Citation (examination)
WO 8601530 A1 19860313 - NORDISK GENTOFTE [DK]

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