

Title (en)

IN VITRO GROWTH OF FUNCTIONAL ISLETS OF LANGERHANS AND IN VIVO USES THEREOF

Title (de)

IM-VITRO WACHSTUM VON FUNKTIONALEN LANGERHANSINSELN UND DEREN IN VIVO VERWENDUNG

Title (fr)

CROISSANCE IN VITRO D'ILOTS DE LANGERHANS FONCTIONNELS ET UTILISATIONS IN VIVO DE CES ILOTS

Publication

EP 0871455 A1 19981021 (EN)

Application

EP 96936866 A 19961023

Priority

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Abstract (en)

[origin: WO9715310A1] The subject invention concerns new methods which make it possible, for the first time, to grow functional islets in in vitro cultures. The subject invention also concerns the use of the in vitro grown islet-like structures for implantation into a mammal for in vivo therapy of diabetes. The subject invention further concerns a process using the in vitro grown islet implants for growing an organ in vivo that has the same functional, morphological and histological characteristics as those observed in normal pancreatic tissue. The ability to grow these cells in vitro and organs in vivo opens up important new avenues for research and therapy relating to diabetes.

IPC 1-7

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