

Title (en)

SYSTEM FOR THE MAINTENANCE, GROWTH AND DIFFERENTIATION OF HUMAN AND NON-HUMAN PRIMATE PLURIPOTENT STEM, PROGENITOR AND MATURE BONE MARROW CELLS

Title (de)

SYSTEM FÜR ERHALTUNG, WACHSTUM UND DIFFERENZIERUNG VON MENSCHLICHEN UND NICHT- MENSCHLICHEN PLURIPOTENTEN STAMM ELTERLICHEN UND KNOCHENMARKZELLEN

Title (fr)

SYSTEME DESTINE A L'ENTRETIEN, LA CROISSANCE ET LA DIFFERENTIATION DE CELLULES DE MOELLE OSSEUSE PLURIPOTENTES SOUCHES, PARENTES ET A MATURITE, D'ORIGINE HUMAINE OU PROVENANT DE PRIMATES

Publication

**EP 0796110 A2 19970924 (EN)**

Application

**EP 95943042 A 19951208**

Priority

- US 9515986 W 19951208
- US 35295794 A 19941209

Abstract (en)

[origin: WO9617627A2] The present invention relates to a method of engrafting human or non-human primate pluripotent stem cells, such as CD34+ cells, in a mouse. The method comprises administering to irradiated mice immortalized human or non-human primate bone marrow stromal cells which express cytokines supporting growth of cells, such as CD34+ cells, and, sequentially or simultaneously, administering purified human or non-human primate CD34+ cells. The stromal cells and CD34+ cells can be administered by intraperitoneal or intravenous injections. The invention can be used to evaluate gene therapy protocols for human CD34+ cells as well as having applications in the treatment of patients exposed to irradiation such as during a bone marrow transplant. The invention also provides an animal model for the study of human hematopoiesis.

IPC 1-7

**A61K 48/00; A01K 67/027; C12N 15/87**

IPC 8 full level

**A01K 67/027 (2006.01); A61K 35/28 (2006.01); A61K 48/00 (2006.01); C07K 14/52 (2006.01); C12N 5/10 (2006.01); C12N 15/09 (2006.01)**

CPC (source: EP)

**A01K 67/0271 (2013.01); A61K 35/28 (2013.01); C07K 14/52 (2013.01); A61K 48/00 (2013.01)**

Citation (search report)

See references of WO 9617627A2

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9617627 A2 19960613; WO 9617627 A3 19961031; AU 4419396 A 19960626; CA 2207216 A1 19960613; EP 0796110 A2 19970924; JP H10510702 A 19981020**

DOCDB simple family (application)

**US 9515986 W 19951208; AU 4419396 A 19951208; CA 2207216 A 19951208; EP 95943042 A 19951208; JP 51780395 A 19951208**