

Title (en)

PLURIPOTENT EMBRYONIC STEM CELLS AND METHODS OF OBTAINING THEM

Title (de)

PLURIPOTENT EMBRYONALE STAMMZELLEN UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)

CELLULES SOUCHES EMBRYONNAIRES MULTIPOTENTES ET PROCEDES PERMETTANT DE LES OBTENIR

Publication

EP 1060244 A1 20001220 (EN)

Application

EP 98961813 A 19981125

Priority

- US 9825283 W 19981125
- US 6689097 P 19971125
- US 19970398 A 19981124

Abstract (en)

[origin: CA2311396A1] The present invention provides an isolated population of non-mouse embryonic stem (ES) cells and methods of obtaining these ES cells. In one aspect, the target ES cells are obtained by co-culturing embryo cells from a target animal with non-target ES cells, such as mouse ES cells. In one embodiment, rat ES cells are isolated from the co-culture using positive or negative selectable markers. The invention also includes genetically modified non-mouse ES cells. Chimeric embryos and animals containing isolated populations of the ES cells or genetically modified ES cells are also provided. In one embodiment, the genetic modification comprises introduction of a transgene. In another embodiment, the genetic modification comprises disruption of the function of one or more genes.

IPC 1-7

C12N 5/06; **A01K 67/027**

IPC 8 full level

A01K 67/027 (2006.01); **C12N 5/0735** (2010.01)

CPC (source: EP US)

A01K 67/0271 (2013.01 - EP); **C12N 5/0606** (2013.01 - EP US); **C12N 2510/00** (2013.01 - EP)

Citation (search report)

See references of WO 9927076A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

AU 1704899 A 19990615; AU 762112 B2 20030619; CA 2311396 A1 19990603; CN 1284993 A 20010221; EP 1060244 A1 20001220; IL 136347 A0 20010520; JP 2002527036 A 20020827; NZ 504784 A 20031219

DOCDB simple family (application)

AU 1704899 A 19981125; CA 2311396 A 19981125; CN 98812935 A 19981125; EP 98961813 A 19981125; IL 13634798 A 19981125; JP 2000522218 A 19981125; NZ 50478498 A 19981125