

Title (en)

METHOD FOR ISOLATION OF PLURIPOTENT STEM CELLS

Title (de)

VERFAHREN ZUR ISOLIERUNG PLURIPOTENTER STAMMZELLEN

Title (fr)

PROCEDE D'ISOLATION DE CELLULES SOUCHES PLURIPOTENTES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2004013316A1] Method for preparing one or more compositions of clonal pluripotent stem cells derived from an individual mammalian pluripotent stem cell isolated from a cell population, comprising exposing a heterogeneous cell population to an amount of a tag which recognises and binds individual cells that express markers of mammalian pluripotent stem cells wherein the tag comprises additionally a retrieval means, the method further comprising retrieving the tag and the bound cells to obtain one or more individually selected cells, separation out of one or more single cells and cloning of single cells to obtain one or more cell lines and transferring the or each cell line to a container in culture medium or freezing thereby generating the or each composition characterised in that the or each composition or population comprises clonal pluripotent stem cells of purity or homogeneity or homology in excess of 90 %; the composition obtained thereby; the use thereof in pharmaceutical development including drug screening, toxicological testing and therapeutic cell replacement strategies including transplantation, and the like; and methods for screening or therapy therewith.

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IPC 8 full level

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