

Title (en)
METHOD OF CORRELATING MARKER MOLECULE CONCENTRATION TO A SPECIFIC CELL POTENCY LEVEL IN CHONDROCYTE CULTURE

Title (de)
VERFAHREN ZUR KORRELATION EINER MARKERMOLEKÜLKONZENTRATION MIT EINEM SPEZIFISCHEN ZELLPOTENZNIVEAU IN EINER CHONDROZYTENKULTUR

Title (fr)
PROCÉDÉ DE CORRÉLATION ENTRE UNE CONCENTRATION DE MOLÉCULE MARQUEUR ET UN NIVEAU DE PUISSANCE DE CELLULE SPÉCIFIQUE DANS UNE CULTURE DE CHONDROCYTES

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Application
EP 09778108 A 20090826

Priority
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Abstract (en)
[origin: WO2010022921A1] A method for measuring the potency of tissue culture derived chondrocyte or chondrocyte-like cells by correlating levels of the marker molecules SERPINA1 and MMP3 in culture supernatant with a specific level of cell potency; including a method for analyzing chondrogenic potency in cells re-differentiated from chondrocytes losing their chondrogenic potency, or which are differentiated from cells to receive chondrogenic potency; comprising the steps of ascertaining the correlative value of the level of SERPINA1, MMP3, or SERPINA1 and MMP3 marker molecules with the potency level of cultured chondrogenic or chondrogenic-like cells; measuring the level of SERPINA1, MMP3, or SERPINA1 and MMP3 marker molecules contained in the supernatant of monolayer or 3D matrix cultured chondrogenic or chondrogenic-like cells; and ascertaining the potency level of the cells from the concentration of the marker molecules in the measurement.

IPC 8 full level
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Citation (search report)
See references of WO 2010022921A1

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