

Title (en)

METHOD FOR ENHANCING KERATINOCYTE STEM CELLS

Title (de)

VERFAHREN ZUR ANREICHERUNG VON KERATINOZYTEN-STAMMZELLEN

Title (fr)

PROCEDE D'ENRICHISSEMENT DE CELLULES SOUCHES KERATINOCYTAIRES

Publication

**EP 1440147 A2 20040728 (FR)**

Application

**EP 02788031 A 20021030**

Priority

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Abstract (en)

[origin: WO03038073A2] The invention concerns a method for enriching a population of keratinocyte stem cells, from a preparation of keratinocytes, comprising a pre-enrichment step in keratinocyte stem cells by adherence of said preparation on a constituent of extracellular matrices, in particular recognized by molecules involved in the adherence of the keratinocytes, in particular by the integrin family receptors, particularly collagen, for a period of time between about 5 and about 30 minutes, preferably between about 10 and about 20 minutes, advantageously 12 minutes, and in recuperating the stem cells which have adhered on said constituent of extracellular matrices by separation in conditions enabling to maintain the viability of the stem cells which have adhered, in particular by trypsinization, particularly using trypsin 0.05 % and EDTA 0.02 % to obtain a population of adherent cells.

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CPC (source: EP US)

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Citation (search report)

See references of WO 03038073A2

Citation (examination)

JONES P H AND WATT F M: "Separation of human epidermal stem cells from transit amplifying cells on the basis of differences in integrin function and expression", CELL, vol. 73, 1993, pages 713 - 724, XP024245646

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