

Title (en)

METHOD FOR SEPARATING CELLS AND BIOMOLECULES USING COUNTER-CURRENT CHROMATOGRAPHY

Title (de)

VERFAHREN ZUR SEPARATION VON ZELLEN UND BIOMOLEKÜLEN MITTELS GEGENSTROMCHROMATOGRAPHIE

Title (fr)

PROCEDE DE SEPARATION DE CELLULES ET DE BIOMOLECULES PAR CHROMATOGRAPHIE A CONTRE-COURANT

Publication

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Application

EP 00987272 A 20001120

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Abstract (en)

[origin: WO0137959A1] The invention relates to a method for separating cells and biomolecules from mixtures containing said cells and biomolecules. To this end, counter-current chromatography is used with continuous sample delivery and sample drawing using solid, non-porous separation materials. The method is characterised in that only one separating fluid is used so that said separating fluid is not changed, that non-porous separation materials with a modified or non-modified surface are used and that weak affinity interactions are exploited in order to separate the desired cells and biomolecules, the cells to be separated and the biomolecules undergoing said weak affinity interactions with the modified or non-modified surface. The term weak affinity interaction is used to describe those interactions, in which the bonds have a dissociation constant greater than or equal to 10^{-5} M ($K_d \geq 10^{-5}$ M).

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