

Title (en)
ENRICHMENT OF FETAL CELLS FROM MATERNAL BLOOD

Title (de)
ANREICHERUNG VON FÖTALEN ZELLEN AUS MATERNALEM BLUT

Title (fr)
ENRICHISSEMENT DE CELLULES FETALES, A PARTIR DU SANG MATERNEL

Publication
EP 0778899 A4 20010829 (EN)

Application
EP 95933174 A 19950919

Priority
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Abstract (en)
[origin: WO9609409A1] Methods of preparing fetal cells from samples of maternal peripheral blood are provided. A suspension of mononuclear cells is prepared from a maternal blood sample. Maternal cells are then depleted from the sample by adding magnetically coupled antibodies specific for markers present on adult cells, followed by binding the cells to a column in the presence of a magnetic field. From the depleted fraction, fetal erythrocytes are enriched by magnetic cell sorting (MACS). These nucleated erythrocytes are then used as a source of fetal genetic material, which is analyzed for the presence of chromosomal or genetic abnormalities, or for the presence of a Y chromosome, by conventional methods such as probes for in situ hybridization, metaphase spreads, and polymerase chain reaction (PCR).

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C12Q 1/68; G01N 33/569

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Citation (search report)
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• See references of WO 9609409A1

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