

Title (en)

IN INCREASING GENE TRANSFER EFFICIENCY BY PRE-INCUBATION WITH ENDOTHELIAL CELLS

Title (de)

IN-ERHÖHTE GENTRANSFEREFFIZIENZ DURCH VORINKUBIERUNG MIT ENDOTHELZELLEN

Title (fr)

AUGMENTATION DE L'EFFICACITE DU TRANSFERT DE GENES PAR PRE-INCUBATION AVEC DES CELLULES ENDOTHELIALES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO03060138A1] The present invention relates to an in-vitro method of gene transfer into isolated hematopoietic progenitor stem cells, particularly CD34<+>38<-> cells, and is accomplished by expanding the hematopoietic stem in a culture medium including endothelial cells, such as porcine brain microvascular endothelial cells or human brain vascular endothelial cells and may include at least one cytokine. The hematopoietic stem cells are then transduced using a suitable vector, such as Maloney Leukemia Virus vector. As a result of the described method, the gene transfer efficiency is greatly enhanced as compared to control methods. The described methods have potential clinical implications for use in gene therapy applications.

IPC 1-7

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Citation (search report)

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- See references of WO 03060138A1

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