Title (en)

DEVICE FOR OPTIMIZED ELECTROTRANSFER OF NUCLEIC ACID VECTORS TO TISSUES IN VIVO

Title (de)

VORRICHTUNG ZUR OPTIMIERTEN ELEKTROTRANSFER DER NUKLEINSÄUREN VEKTOREN AN GEWEBE IN VIVO

Title (fr)

DISPOSITIF PERMETTANT UN TRANSFERT IN VIVO OPTIMISE DE VECTEURS D'ACIDES NUCLEIQUES DANS DES TISSUS

Publication

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Application

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Abstract (en)

[origin: WO9901175A1] This invention is directed to systems and devices that provide for remarkable enhancement of in vivo transfer into cells, particularly muscle cells and tumor cells, of nucleic acid vectors using weak electric fields, to increase the efficiency of such transfers. The devices of the invention are designed to provide an optimum voltage gradient to enhance migration of nucleic acid vectors into cells, without damaging the cells or tissue. Such devices are characterized by unique arrangements of electrodes, and by unique power limits defined by maximum voltage settings.

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