

Title (en)

METHOD FOR CARRYING OUT THE PARALLEL SEQUENCING OF A NUCLEIC ACID MIXTURE ON A SURFACE

Title (de)

VERFAHREN ZUR PARALLELEN SEQUENZIERUNG EINES NUKLEINSÄUREGEMISCHES AN EINER OBERFLÄCHE

Title (fr)

PROCEDE DE SEQUEN AGE PARALLELE D'UN MELANGE D'ACIDES NUCLEIQUES SUR UNE SURFACE

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Abstract (en)

[origin: WO0148184A2] The invention relates to a method for carrying out the parallel sequencing of at least two different nucleic acids contained in a nucleic acid mixture, whereby: (a) a surface is prepared which comprises islands of nucleic acids of the same type of tertiary nucleic acids; (b) opposite strands of the tertiary nucleic acids GTN are prepared; (c) the GTN are lengthened by one nucleotide, whereby the nucleotide, on the 2'-OH position or on the 3'-OH position, carries a protective group, which prevents an additional lengthening, and the nucleotide carries a molecular group, which enables the identification of the nucleotide; (d) the incorporated nucleotide is identified; (e) the protective group is removed and said molecular group of the incorporated nucleotide is removed or modified, and; (f) step (c) and the following steps are repeated until the desired sequence information has been obtained.

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