

Title (en)

METHOD OF GENERATING NUCLEIC ACID HYBRIDS FOR MUTATION ANALYSIS

Title (de)

VERFAHREN ZUR HERSTELLUNG VON NUKLEINSÄUREHYBRIDEN ZUR MUTATIONSANALYSE

Title (fr)

Procédé pour générer des hybrides d'acides nucléiques pour l'analyse de mutations

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Application

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Abstract (en)

[origin: WO9964624A2] A method of producing a hybrid DNA molecule allowing the assembly of sequences x_1, x_2, \dots, x_n where n is greater than or equal to 3 (e.g. give sequences) from diverse locations into a hybrid molecule for the purpose of mutation analysis. The method comprising the steps of: (1) providing in a single reaction mixture: (a) the sequences x_1, x_2, \dots, x_n and their complementary sequences x_1', x_2', \dots, x_n' , to be assembled into the hybrid molecule; (b) for each pair of complementary sequences defined in (a) a respective pair of PCR primers each having a priming sequence and which are such that the primers hybridising to the 3' ends of any two sequences (x_i, x_{i+1}'), where i is 1 to $(n-1)$, have specifically complementary linker sequences; (2) effecting a first stage PCR reaction in which those primers provided with linker sequences are present in limiting concentrations; and (3) effecting a second stage PCR reaction using a single pair of primers one of which provides the 5'-end of the sense strand and other of which provides the 3'-end of the anti-sense strand of the required hybrid molecule; whereby said hybrid molecule is generated.

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C12Q 1/68

IPC 8 full level

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