

Title (en)

LIGASE/POLYMERASE METHOD FOR DETECTING CYTOSINE METHYLATION IN DNA SAMPLES

Title (de)

LIGASE/POLYMERASE-VERFAHREN ZUR DETEKTION VON CYTOSIN-METHYLIERUNG IN DNA PROBEN

Title (fr)

PROCEDE DE LIGASE/POLYMERASE POUR DETECTER LA METHYLATION DE CYTOSINE DANS DES ECHANTILLONS D'ADN

Publication

EP 1261740 A1 20021204 (DE)

Application

EP 01915053 A 20010223

Priority

- DE 0100749 W 20010223
- DE 10010281 A 20000225

Abstract (en)

[origin: WO0162961A1] The invention relates to a method for detecting 5-methylcytosine in genomic DNA samples. Firstly, a genomic DNA from a DNA sample is chemically reacted with a reagent, whereby 5-methylcytosine and cytosine react differently. Afterwards, the pretreated DNA is amplified while using a polymerase and at least one primer. In the next step, the amplified genomic DNA is hybridized to at least two oligonucleotides, whereby the latter are assembled by inserting at least one oligonucleotide. In the case of the ligation product, a nucleotide carries a detectable tagging, and the lengthening is subject to the methylation status of the respective cytosine in the genomic DNA sample. In the following step, the lengthened oligonucleotides are examined for the presence of the tagging.

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C12Q 1/68

IPC 8 full level

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C-Set (source: EP US)

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Citation (search report)

See references of WO 0162961A1

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