

Title (en)
METHOD FOR DETECTING CYTOSINE-METHYLATION PATTERNS BY EXPONENTIAL LIGATION OF HYBRIDISED PROBE OLIGO-NUCLEOTIDES (MLA)

Title (de)
VERFAHREN ZUM NACHWEIS VON CYTOSIN-METHYLIERUNGSMUSTERN DURCH EXPONENTIELLE LIGATION HYBRIDISierter SONDENOLIGONUKLEOTIDE (MLA)

Title (fr)
PROCEDE DE DETECTION DE MODELES DE METHYLATION DE LA CYTOSINE PAR LIGATION EXPONENTIELLE D'OLIGONUCLEOTIDES SONDES HYBRIDES (MLA)

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Application
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Abstract (en)
[origin: WO03057909A2] The invention relates to a method for detecting cytosine-methylation in DNA samples which consists of the following steps: firstly, a genomic DNA sample, which comprises background DNA and DNA which is to be examined, is chemically treated in such a way that all non-methylated cytosine bases are converted into uracil, whereby the 5-methyl cytosine bases remain unchanged. The DNA sample which has been chemically treated is then amplified by using at least 2 primer-oligo-nucleotides and a polymerase, the DNA which is to be examined with respect to the background DNA is preferred as a template. In the final step, the amplicates are analysed and on the basis of the presence of an amplicate and/or from the analysis of further positions information on the methylation status is deduced in the DNA which is to be examined.

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