

Title (en)

LINKED LINEAR AMPLIFICATION OF NUCLEIC ACIDS

Title (de)

LINEARE VERVIELFÄLTIGUNG VON NUKLEINSÄUREN

Title (fr)

AMPLIFICATION LINEAIRE ENCHAINEE D'ACIDES NUCLEIQUES

Publication

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Application

**EP 94924010 A 19940725**

Priority

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Abstract (en)

[origin: WO9503432A1] The extensive synthesis ("amplification") of a nucleic acid sequence of interest is attained through a linked series of multi-cycle primer extension reactions (LLA). The primers used in each of the primer extension reactions of the process contain non-replicable elements that halt nucleic acid synthesis and thereby prevent the synthesized molecules from serving as templates in subsequent cycles. Synthesized molecules accumulate during primer extension in a mathematically linear fashion, thereby rendering the process relatively insensitive to contaminating nucleic acids. Multiple primer sets are employed, thereby ensuring the accumulation of a large number of copies of the nucleic acid sequence of interest. The invention also provides for the detection of an amplified nucleic acid sequence of interest, as well as reagent kits for carrying out the reaction.

IPC 1-7

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IPC 8 full level

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