

Title (en)

PRIMERS, IN PARTICULAR, FOR PRIMER-DEPENDENT NUCLEIC ACID SYNTHESIS PROCESSES AND NUCLEIC ACID AMPLIFICATION METHODS

Title (de)

PRIMER, INSBESONDERE FÜR PRIMER-ABHÄNGIGE NUKLEINSÄURE-SYNTHESEPROZESSE UND NUKLEINSÄURE-AMPLIFIKATIONSVERFAHREN

Title (fr)

AMORCE, NOTAMMENT POUR PROCESSUS DE SYNTHÈSE D'ACIDE NUCLEIQUE ET AMPLIFICATIONS D'ACIDE NUCLEIQUE

Publication

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Application

**EP 00985259 A 20001227**

Priority

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- EP 0013288 W 20001227

Abstract (en)

[origin: WO0149880A2] The invention relates to primers which exhibit a high specificity and efficiency during hybridization with a target nucleic acid. To this end, the invention provides that a high proportion of bases, which can form two hydrogen bridge-type bonds with the corresponding bases in a target molecule, are predominant on the 3'-end of the hybridizing part of the primer. The 5'-end of the hybridizing part advantageously comprises a high proportion of bases which can form three hydrogen bridge-type bonds with the corresponding bases in the target molecule. The inventive primers are suited for use in primer-dependent nucleic acid synthesis processes, such as DNA syntheses and nucleic acid amplification methods, in particular, isothermal amplification methods. The inventive primers make it possible to significantly increase the yield of a specific amplification product and to reduce the production of undesired byproducts.

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