

Title (en)
LOW-TEMPERATURE CYCLE EXTENSION OF DNA WITH HIGH PRIMING SPECIFICITY

Title (de)
DNA-VERLÄNGERUNG IM NIEDRIGTEMPERATURZYKLUS MIT HOHER PRIMING-SPEZIFITÄT

Title (fr)
EXTENSION CYCLIQUE A BASSE TEMPERATURE D'ADN A HAUTE SPECIFICITE D'AMORCAGE

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Abstract (en)
[origin: WO02101004A2] The invention relates to methods for extending a primer or a pair of primers in low-temperature cycle DNA amplification for cycle sequencing and PCR. In particular, the methods contemplate the combined use of moderately thermostable DNA polymerases in the presence of a low concentration of glycerol or ethylene glycol, or the mixtures thereof, as an agent to reduce the melting temperature of DNA (that is, the temperature at which the double-strands of DNA are denatured). Predistributed reaction mixtures of a high-fidelity and high processivity DNA polymerase stable at room temperature for several weeks in ready-to-use kits are also contemplated by the invention.

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