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ABSTRACT

ANNEALING CONTROL PRIMER AND ITS USES

The present invention relates to an annealing control primer for improving annealing specificity in nucleic acid amplification-involved technology. The present primer comprises (a) a 3'-end portion having a hybridizing nucleotide sequence substantially complementary to a site on a template nucleic acid to hybridize therewith; (b) a 5'-end portion having a pre-selected arbitrary nucleotide sequence; and (c) a regulator portion positioned between said 3'-end portion and said 5'-end portion comprising at least one universal base or non-discriminatory base analog, whereby said regulator portion is capable of regulating an annealing portion of said primer in association with annealing temperature.

Selected Drawing
Figure 1A